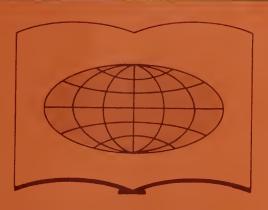
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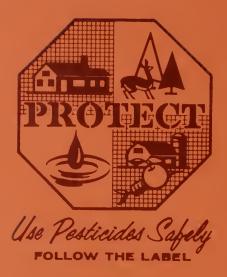
Pesticides DOCUMENTATION BULLETIN





Volume 4 December 20, 1968 Number 26

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PESTICIDES DOCUMENTATION BULLETIN

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The Pesticides Documentation Bulletin is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

- 10 Entomology
- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
- 90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

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The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested

Company furnishing the compound

Author or Investigator

Test Sponsor

Date

Location

Mode of Application

Rates of Application

Soil Types

Carriers

Crops or Weeds tested with phytotoxicity ratings

Associated documentation

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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

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This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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^{*}This issue does not contain citations under this category.



ENTOMOLOGY

22848-68

SILVERFISH AND FIREBRATS; HOW TO CON-TROL THEM.

USDA Leaft 412:1-4

May 1967 1 AG84L

Chemical control (pests), Habitats, Household pests, Insect behavior, Insect identification, Insect morphology, Lepisma saccharina, Spraying, Thermobia domestica.

22849-68

INSECTS AND DISEASES OF SIBERIAN PEA SHRUB (CARAGANA) IN NORTH DAKOTA, AND THEIR CONTROL.

P C Kennedy

U S Forest Serv Res Notes RM 104:1-4

1968 A99.9 F7632US

Caragana arborescens, Chemical control (insects), Insects, Malathion, Plant diseases, Research, Sur-

22850-68

HARD TO KILL PESTS OF FRUIT TREES-MEALY BUGS.

H F Lower

S Australia J Agr 72(2):75-77

Sep 1968 23 SO84

Aging, Chemical control (pests), Fruit, Insect identification, Morphology, Plant injuries, Pseudococcidae, Spraying, Trees.

SYSTEMATICS

22851-68

STUDIES ON SOME TAENIOTHRIPS SPECIES FROM INDIA. I.

T N Ananthakrishnan A Jagadisa Opusc Entomol 32(1-2):159-170 30 Mar 1967 421 OP7

Catalogs, Insect taxonomy, Taeniothrips.

22852-68

THREE INSECT GALLS OF SPECIES NEW TO SWEDEN.

H Andersson

Opusc Entomol 32(3):282-283

10 Nov 1967 421 OP7

Cecidomyiidae, Diptera, Eurytomidae, Insect taxonomy.

22853-68

THE HOLARCTIC SPECIES OF CYRTOGASTER WALKER AND POLYCYSTUS WESTWOOD (HYM., PTEROMALIDAE) INCLUDING THE DESCRIPTION OF A NEW SPE-CIES OF CYRTOGASTER FROM BRITAIN.

R R Askew

Entomophaga 10(2):179-187 REF

1965 421 EN835

Cyrtogaster, Hymenoptera, Insect identification, Insect taxonomy, Polycystus. French summary

KALMANIUS, A NEW GENUS OF THE SUB-FAMILY NABINAE (HETEROPTERA: NABIDAE).

P Benedek

Acta Zool (budapest) 14(3-4):295-300

29 Jun 1968 410 AC85

Insect taxonomy, Nabidae, Reviews. Russian summary

22855-68

THE EUROPEAN SPECIES OF THE GENUS CALLITULA SPINOLA (HYMENOPTERA: CALLITULA SPINOLA PTEROMALIDAE). (GE)

Z Boucek

Entomopliaga 9(1):9-15

1964 421 EN835

Callitula, Hymenoptera, Insect biology, Insect tax-onomy, Pteromalidae, Zoogeography. English sum-

22856-68

THE DERMAPTERA OF THE NATURHIS-TORISKA RIKSMUSEUM, STOCKHOLM. I. A Brindle

Arkiv Zool 18(5):437-447

1967 410.9 SV22

Dermaptera, Insect taxonomy, Zoogeography.

A NEW BRAZILIAN SPECIES OF THE GENUS BRACHYLABIS DOHRN (DERMAPTERA, CAR-CINOPHORIDAE).

A Brindle

Sao Paulo Dep Zool Papeis Avulsos 22(4):31-34 10 Sep 1968 410.9 SA63

Camponotus, Dermaptera, Insect taxonomy.

A SYNOPSIS OF AMERICAN MYCOMYIINI WITH DESCRIPTIONS OF NEW SPECIES (DIP-TERA: MYCETOPHILIDAE).

Entomol Amer (N s)38:1-155 REF

1958 420 B792

Diptera, Insect anatomy, Insect taxonomy, Mycomyiini, Nomenclature.

NOTES ON THE TAXONOMY AND DISTRIBU-TION OF TRICHOCERIDAE (DIPT. NEMAT.) FROM FINLAND AND ADJACENT AREAS OF THE USSR.

C Dahl

Opusc Entomol 33(3):365-370 15 Nov 1968 421 OP7

Diptera, Insect taxonomy, Zoogeography.

ACMAEODERA DEGENER SCOP. AND QUADRIFASCIATA BUPRESTIDAE). (GE) ROSSI (COL.

G Dahlgren

Opusc Entomol 33(3):324-326 15 Nov 1968 421 OP7

Buprestidae, Insect taxonomy.

REMARKS ON THE SCORPIONIDAE OF VENEZUELA. (SP)

M A E De Verde

Acta Biol Venezuelica 6(2):66-70 REF

30 Jun 1968 475 AC86

Insect taxonomy, Scorpionida. English abstract

22862-68

SUPPLEMENT TO THE KNOWLEDGE OF THE CERAMBYCID FAUNA OF ASIA. C V Demelt Austria Klagenfurt

Entomol Bl 63(2):106-109 15 Oct 1967 421 EN833

Catalogs, Cerambycidae, Insect taxonomy.

THE MORPHOLOGY, PHYLOGENY, HIGHER CLASSIFICATION OF THE FAMILY TINGIDAE, INCLUDING THE DESCRIPTION
OF A NEW GENUS AND SPECIES OF THE SUB-FAMILY VIANAIDINAE (HEMIPTERA: HETEROPTERA).

C J Drake N T Davis

Entomol Amer (N s)39:1-100 REF

1959 420 B792

Heteroptera, identification, Insect Insect morphology, Insect taxonomy, Tingidae, Vianaidinae

22864-68

JAMESONIA, A NEW GENUS (ACARINA: MYOBIIDAE) WITH SEVEN NEW SPECIES FROM CUBAN BATS.

F Dusbabek

Folia Parasitol 14(3):247-261

1967 436.8 C33

Bats, Jamesonia, Mites, Parasitic arthropods, Tax-

Abstract: Description of new genus Jamesonia in-

cluding seven new species: J. danieli, J. cernyi, J. samsinaki, J. rosickyi, J. saguei, J. jimenezi, and J. viguerasi. A key to the species of this genus is appended. The species are all found on Phyllostomidae.

THE LARVAE OF CLYTHIA FASCIATA MEIGEN (DIPTERA, CLYTHIDAE). (GE) 1 Dusek

Acta Ent Bohemoslov 59(3):209-213

1962 420 C33

Insect identification, Insect taxonomy, Larvae, Platypeza fasciata.

DEVELOPMENT OF A DIURNAL RESTING BOX TO COLLECT CULISETA MELANURA

J D Edman F D S Evans J A Williams Amer J Trop Med Hyg 17(3):451-456

May 1968 448.8 AM326

Attractants, Culicidae, Culiseta Habitats, Insect behavior, Insect collecting equipment, Insect vectors.

22867-68

A NEW SPECIES OF DENNYUS (MAL-LOPHAGAI MENOPONIDAE) FROM THE MALAYSIAN SPINE-TAILED SWIFT.

K C Emerson R D Price Biol Soc Wash Proc 81:87-90 30 Apr 1968 500 W272

Insect taxonomy, Menoponidae.

STANDARD NAMES FOR COMMON INSECTS.

New Zeal J Agr 114(2):97,99,101 Feb 1967 23 N48J

Catalogs, Insect names. Continued in vol. 114(3), Mar, 1967

22869-68

NEW TROMBICULID (ACARIFORMES) LAR-VAE, PARASITES OF RUMANIAN MAMMALS. (FR)

Z Feider

Zool Anz 180(5-6,MAY-JUN):409-423

Jun 1968 410 Z7

Insect taxonomy, Larvae, Trombiculidae.

E J Fittkau

CHIRONOMUS, NOT A TENDIPEDIDAE. A NOTE ON A DECISION OF THE I. C. Z. N., OF THE INTERNATIONAL ZOOLOGICAL COM-MISSION FOR NOMENCLATURE. (GE)

Arch Hydrobiol 62(2):269-271

Aug 1966 410 AR28

Chironomidae, Insect taxonomy, Nomenclature.

CONTRIBUTION TO THE SYSTEMATICS OF THE EUROPEAN AND NORTH WEST AFRICAN AGRIOTES S. STR. (GE)

H Franz

Entomol Bl 63(2):65-86 15 Oct 1967 421 EN833

Elateridae, Insect taxonomy.

DISTRIBUTION OF TRICHOPLUSIA NI EGGS AND LARVAE ON CABBAGE PLANTS AS A BASIS FOR SAMPLING EFFICIENCY.

G L Greene

J Econ Entomol 61(6):1648-1650

16 Dec 1968 421 J822

Cabbage, Insect eggs, Larvae, Leaves, Population, Sampling (statistics), Trichoplusia ni.

22873-68

THE TAXONOMIC STATUS OF DIALECTICA SOFFNERIS (GREGOR POVOLNY) AND PARECTOPA CUPEDIELLA (HERRICH-(LEPIDOPTERA, SHAFFER) LITHOCOL-LETIDAE). (GE)

F Gregor D Povolny Acta Ent Boliemoslov 65(5):391-394

22874-68

1968 420 C33

Insect ecology, Insect taxonomy, Lepidoptera. English and Czech abstracts

ON CARABUS SPECIES OF ANATOLIA. (GE.)

W Heinz H Korge

Entomol BI 63(2):87-105 REF 15 Oct 1967 421 EN833

Carabidae, Catalogs, Insect taxonomy.

22875-68

USE OF VIRGIN FEMALE TOBACCO BUD-WORMS TO INCREASE CATCH OF MALES IN BLACKLIGHT TRAPS AND EVIDENCE THAT TRAP LOCATIONS AND WIND INFLUENCE CATCH.

D E Hendricks

J Econ Entomol 61(6):1581-1585 MAP

12 Dec 1968 421 J822

Cotton, Heliothis virescens, Heliothis zea, Infrared rays, Light traps, Wind.

22876-68

CONCERNING SOME TYPES OF LIMNERIA HLGR. (HYM. ICHN. OPHIONINAE). (GE)

R Hinz

Entomophaga 9(1):67-73

1964 421 EN835

Insect biology, Insect taxonomy, Olesicampe, Ophioninae. English summary.

CHIRONOMIDAE AND CULICIDAE (DIPT.) FROM SPITSBERGEN.

M Hirvenoja

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(1):52-61 REF

1967 421 SU7

Chironomidae, Culicidae, Diptera, Zoogeography.

22878-68

CONTRIBUTION TO THE TAXONOMY OF THE TERSILOCHINIDS (HYM., ICHNEU-MONIDAE). (GE)

K Horstmann

Opusc Entomol 32(1-2):123-130

30 Mar 1967 421 OP7

Catalogs, Ichneumonidae, Insect taxonomy.

REVISION OF THE TYPES OF ICHNEUMONID GENERA (HYMENOPTERA) DESCRIBED BY ZETTERSTEDT. (GE)

K Horstmann

Opuse Entomol 33(3):305-323 REF

15 Nov 1968 421 OP7

Catalogs, Ichneumonidae, Insect taxonomy.

22880-68

SOME NOTES ON THE SPIDER FAUNA OF SPITSBERGEN.

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(1):27

1967 421 SU7

Spiders, Zoogeography.

CONTRIBUTION TO THE STUDY OF THE SPECIFICITY IN THE PRINCIPAL SPECIES OF APHIDIPHAGOUS COCCINELLIDAE IN ALPES-MARITIMES AND BASSES-ALPES. (FR

G lperti

Entomophaga 10(2):159-178 REF

1965 421 EN835

Aphididae, Biological control (insects), Coccinellidae, Insect ecology, Predaceous insects, Research, Zoogeography. English summary

MADOPA SALICALIS SCIFF. AND PYRAUSTA PALUSTRALIS HB., NEW TO THE SWEDISH FAUNA (LEP.). (DA)

H Jensen

Opusc Entomol 32(1-2):139-140 30 Mar 1967 421 OP7

Insect taxonomy, Noctuidae, Pyralidae. English abstract

22883-68

IDENTIFICATION OF THE COLEOPTERA COLLECTED BY THE FINNISH SPITSBERGEN EXPEDITIONS.

E Kangas Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(1):41-43

1967 421 SU7

Coleoptera, Zoogeography.

Abstract

22884-68

DATA ON THE ORIBATIDS (ACARI) OF SPIT-SBERGEN.

E Karppinen

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(1):18-26 REF

25 Apr 1967 421 SU7

Mites, Oribatidae, Zoogeography.

DROSOPHILA PAVLOVSKIANA, A RACE OR A SPECIES.

C D Kastritsis T Dobzhansky

Amer Midland Natur 78(1):244-248 REF Jul 1967 410 M58

Chromosomes, Drosophila pavlovskiana, Insect morphology, Insect taxonomy

Abstract: This new species was encountered in two localities in British Guiana and originally considered as a Guianan race of Drosophila paulistorum Dobzhansky and Pavan. A more detailed study has shown that it must be considered specifically distinct.

22886-68

THE TENEBRIONI OF WEST MONGOLIA (COLEOPTERA). (GE)

Z von Kaszab

Acta Zool (budapest) 13(3-4):279-351 MAP 1967 410 AC85

Insect taxonomy, Tenebrionidae.

22887-68

ON THE CLASSIFICATION OF THE ANAGYRINE ENCYRTIDAE, WITH A REVI-SION OF SOME OF THE GENERA (HYMENOP-TERA: CHALCIDOIDEA).

G J Kerrich

Brit Mus (natur Hist) Entomol Bull Suppl 20(5):141-250 REF

01 Aug 1967 420 B773

Encyrtidae, Insect taxonomy, Zoogeography.

NOTES ON NEOTROPICAL ARADIDAE. XVIII. (HEMIPTERA, HETEROPTERA).

N A Kormilev

Sao Paulo Dep Zool Papeis Avulsos 22(6):47-58 REF

10 Sep 1968 410.9 SA63

Catalogs, Heteroptera, Insect taxonomy, Zoogeography.

22889-68

THE USE OF TAXONOMIC ANALYSIS IN SYSTEMATICS OF DIPTERA. (RUS

V G Kovalev

Zool Zhur 47(5):720-731

May 1968 410 R92

Drapetis, Empididae, Insect taxonomy. Elaphropeza placed as subgenus of Drapetis; Crossopalpus made a full genus.

English and russian abstracts.

22890-68

TRAPPING HYLEMYA SPP. FLIES IN TOBAC-CO FIELDS ON STICKY COLORED STAKES.

J B Kring

J Econ Entornol 61(6):1567-1569 REF

12 Dec 1968 421 J822

Attractants, Hylemya platura, Insect traps, Tobac-

22891-68

DESCRIPTION OF THE MALE AND **PROTONYMPH** LEPRONYSSOIDES OF PEREIRAI (ACARINA, MACRONYSSIDAE). (POR)

N M Lizaso

Sao Paulo Dep Zool Papeis Avulsos 22(2):9-11 10 Sep 1968 410.9 SA63

Acarina, Insect taxonomy

22892-68

NEW NOMENCLATURE FOR THE SPECIES PHLEBOTOMUS TOWSENDI N. SP. AND PHLEBOTOMUS ADLERI N. SP. (SP.)

B Llanos

Rev Brasil Malar Doencas Trop 18(2):369 Apr 1966 448.8 R3283

Insect taxonomy, Phlebotomus.

DESCRIPTION OF SCAPHIDIUM COMES SP. N. AND NOTES ON SOME OTHER PALEARCTIC SPECIES OF THE GENUS SCAPHIDIUM (COLEOPTERA, SCAPHIDIIDAE).

1 Lobl

Acta Ent Boliemoslov 65(5):386-390 REF 1968 420 C33

Coleoptera, Insect taxonomy, Zoogeography.

THE SWEDISH SMICRONYX GENERA (COL., CURCULIONIDAE). (SW)

S Lundberg

Opusc Entomol 32(3):230-232

10 Nov 1967 421 OP7

Catalogs, Curculionidae, Insect taxonomy.

22895-68

THE SWEDISH SMICRONYX (COL. CURCU-LIONIDAE). (SW)

S Lundberg

Opusc Entomol 33(3):323

15 Nov 1968 421 OP7 Curculionidae, Insect taxonomy

22896-68

OF FAUNA PARAGUAY. 3 ACARI: PYEMOTIDAE AND SCUTACARIDAE.

S Mahunka

Acta Zool (budapest) 14(3-4):407-425

29 Jun 1968 410 AC85

Insect taxonomy, Mites, Pyemotidae, Scutacaridae. Russian summary

THE OCCURRENCE OF SOME GLASSWING SPECIES IN MORAVIA AND SLOVAKIA (LEP., SESIIDAE). (CZ)

J Marek

Acta Ent Boliemoslov 59(3):281-284

1962 420 C33

Aegeriidae, Insect identification, Insect taxonomy. German summary.

NOTE ON CERAMBYCINAE II. (COL. CERAM-BYCIDAE). (POR) U R Martins

Sao Paulo Dep Zool Papeis Avulsos 22(3):13-30 RFF

10 Sep 1968 410.9 SA63 Cerambycidae, Insect taxonomy. English abstract

A REVISION OF THE GENUS DICHEIRUS MANNERHEIM 1843 (COL. CARABIDAE).

G R Noonan

Opusc Entomol 33(3):281-304 MAP REF 15 Nov 1968 421 OP7 Carabidae, Insect taxonomy, Zoogeography.

22900-68

THE NORWEGIAN SPECIES OF BACTRA STEPH. AND EUCOSMA HB. (LEP. TOR-TRICIDAE).

M Opheim

Opusc Entomol 32(1-2):79-92 MAP REF

30 Mar 1967 421 OP7

Catalogs, Insect taxonomy, Tortricidae.

ACLERIS NIGRILINEANA KAWABE, 1963, A RESIDENT OF NORTHERN EUROPE (LEP. TORTR.).

M Opheim

Opusc Entomol 33(3):371-374

15 Nov 1968 421 OP7

Acleris, Insect taxonomy

THE LARVAE OF AGAPANTHIA CARDUI LIN-NAEUS (COLEOPTERA, CERAMBYCIDAE, LAMIINAE). (GE)

H Paulus

Senckenb Biol 49(3-4):231-235

31 Jul 1968 410.9 SE5

Cerambycidae, Insect taxonomy, Larvae.

CONTRIBUTION TO THE KNOWLEDGE OF THE ACULEATE HYMENOPTERA FROM MEXICO. I. APINAE (APIDAE, APOIDEA). (GE

Senckenb Biol 49(3-4):237-248 MAP

31 Jul 1968 410.9 SE5

Apidae, Catalogs, Insect taxonomy, Zoogeography. English abstract

GENUS TAPHRORYCHUS EICHH. (COLEOP-TERA, IPIDAE). (FR)

A Pfeffer

Acta Ent Bohemoslov 59(3):240-245 REF

Entomology, Insect identification, Insect taxonomy, Taphrorychus.

22905-68

CONTRIBUTION SMALL KNOWLEDGE OF THE BLATTIDS AND THEIR DISTRIBUTION. X. EUTHYRRHAPHIDAE: TIVIINAE WALKER. (GE)

K Princis

Opusc Entomol 32(1-2):141-151 REF

30 Mar 1967 421 OP7

Blattidae, Catalogs, Insect taxonomy, Zoogeography.

22906-68

NEW BRAZILIAN STENUS-SPECIES: COLEOP-TERA, STAPHYLINIDAE. 46. CONTRIBUTION TO THE KNOWLEDGE OF THE STENINEA. (GE)

V Puthz

Arkiv Zool 20(5):443-464 REF

08 Oct 1968 410.9 SV22

Catalogs, Insect taxonomy, Staphylinidae.

22907-68

CONTARINIA KANERVOI BARNES IN SWEDEN (DIPT. ITONIDIDAE). (SW

M Raatikainen A Tinnila

Opusc Entomol 32(3):279-281 MAP

10 Nov 1967 421 OP7

Cecidomyiidae, Insect biology, Insect taxonomy, Zoogeography. English abstract

22908-68

LEAFHOPPERS OF THE GROUP PSAM-MOTETTIX STRIATUS L. (HOMOPTERA, CICADELLIDAE)--VECTORS OF VIRUS DIS-EASES OF CEREALS, THEIR SYSTEMATICS AND DISTRIBUTION. (RUS)

G M Razvyazkina E A Pridantzeva

Zool Zhur 47(5):690-696 REF

May 1968 410 R92

Cicadellidae, Grain, Insect taxonomy, Psammotettix, Psammotettix striatus, Psammotettix volgensis, Reproductive organs, Virus diseases (plants), Zoogeography.

English and russian abstracts.

22909-68

CATALOGUE OF NEW WORLD DERMAP-TERA (INSECTA). PART II: LABIOIDEA, CAR-CINOPHORIDAE.

Sao Paulo Dep Zool Papeis Avulsos 22(5):35-46 10 Sep 1968 410.9 SA63

Catalogs, Dermaptera, Insect taxonomy, Zoogeog-

22910-68

REDESCRIPTION OF MICROTHROM-BIDIINAE OF BOLIVIA DESCRIBED BY J. BOSHELL AND J. A. KERR IN 1942 (ACARI, THROMBIDIIDAE). II. (FR)

P Robaux

Paris Mus Nat Hist Natur Bull 39(4):680-694 15 Jan 1968 410.9 P213

Habitats, Mites, Taxonomy, Trombidiidae.

CONTRIBUTIONS TO THE KNOWLEDGE OF THE GENUS TYROPHAGUS OUDEMANS. (GE)

Acta Ent Boliemoslov 59(3):266-280 REF 1962 420 C33

Insect identification, Insect taxonomy, Mites, Tyrophagus.

22912-68

BOTHRIURUS VACHONI, N. SP. OF BRAZIL (SCORPIONIDA, BOTHRIURIDAE. (SP)

Acta Biol Venezuelica 6(2):38-51

30 Jun 1968 475 AC86

Insect taxonomy, Scorpionida. English abstract

252. CONTRIBUTION TO THE MORPHOLOGY CLASSIFICATION OF SCOLYTOIDEA. BARK BEETLES FROM TURKEY. (GE)

K E Schedl

Anz Schadlingskunde 41(2):21-24

Feb 1968 421 AN9

Insect morphology, Insect names, Insect taxonomy, Liparthrum laurivorus, Scolytidae.

BIOLOGICAL OBSERVATIONS ON SOME PHLEBOTOMUS FROM RANCHO GRANDE (VENEZUELA).I.DESCRIPTION OF A LIMITED AREA OF THE CLOUD FOREST AND THE PHLEBOTOMUS TAXONOMY. (SP)

J V Scorza I Ortiz M Ramirez

Acta Biol Venezuelica 5(11):179-200 MAP REF 08 Aug 1967 475 AC86

Insect taxonomy, Insect vectors, Leishmaniasis, Phlebotomus, Psychodidae, Research, Vegetation. English summary, identification key for male and female sandflies.

22915-68

NOTES ON THE MORPHOLOGY OF A RARE PALEARCTIC OPILIONID (OPILIONIDAE). (GE)

V Silhavy

Acta Ent Bohemoslov 65(5):397-398

1968 420 C33

Insect taxonomy, Palearctic Region, Phalangida. English and Czech abstract

A NEW SPECIES OF STIGMAEIDAE, AGISTEMUS MENDOZENSIS SP. N. (ACARINA) AND A KEY TO THE SPECIES OF THAT GENERA. (SP)

N H R De Simons

Rev Invest Agr Ser 5, Patol Veg 4(4):55-67 1967 464.8 R322

Insect taxonomy, Stigmaeidae. English abstract

MORPHOLOGY AND SYSTEMATIC POSITION OF THE POPPY-HEAD GALL MIDGE CLINODIPLOSIS PAPAVERIS (KJELL.) (DIPTERA, ITONIDIDAE). (GE)

M Skuhrava W Nijveldt

Acta Ent Bohemoslov 59(3):214-220

1962 420 C33

Clinodiplosis papaveris, Entomology, Insect identification, Insect morphology, Insect taxono-

22918-68

PHYTOSEIIDAE (ACARINA: MESOSTIG-MATA) IN THE NEW JERSEY APPLE ORCHARD ENVIRONMENT WITH DESCRIP-TIONS OF SPERMATHECAE AND THREE NEW SPECIES.

H B Specht

Can Entomol 100(7):673-683 REF

Jul 1968 421 C16

Acarina, Apples, Insect biology, Morphology, Phytoseiidae, Predaceous mites, Reproductive organs, Taxonomy.

Abstract

22919-68

PARASARCOPHAGA (CURRANEA) TIBIALIS (MACQUART, 1850) A NEW SPECIES FOR THE CZECHOSLOVAK FAUNA (DIPTERA).

Acta Ent Bohemoslov 65(5):395-396

1968 420 C33

Insect taxonomy, Sarcophagidae, Zoogeography.

TWO NEW SPECIES OF PALAEARCTIC TORYMIDAE AND CLEONYMIDAE. (FR

J R Steffan

Entomophaga 9(1):101-106

1964 421 EN835

Agrilocida ferrieri, Insect taxonomy, Mellitoto-rymus gregalis, Pteromalidae, Torymidae, Zoogeography. English summary.

A KEY TO THE GENERA OF ANTHOMYIINAE KNOWN TO OCCUR IN AMERICA NORTH OF MEXICO, WITH NOTES ON THE GENUS GAN-ALDRICH (DIPTERA, ANTHO-PERDEA MYIIDAE).

G C Steyskal

Biol Soc Wash Proc 80:1-8

24 Mar 1967 500 W272

Anthomyiidae, Catalogs, Insect taxonomy.

22922-68

PTILIUM EXARATUM (ALLIBERT). (COL. PTILIIDAE). DESIGNATION OF LECTOTYPE WITH NOTES ON ALLIBERT'S COLLECTION.

E Sundt

Opusc Entomol 33(3):362-364 15 Nov 1968 421 OP7 Coleoptera, Insect taxonomy.

22923-68

ON SOME COLEOPTERA BUPRESTIDAE OF SOUTHERN AND INSULAR ITALY. (VIII. CONTRIBUTION TO THE KNOWLEDGE OF COLEOPTERA BUPRESTIDAE OF ITALY). (IT

F Tassi

Accad Gioenia Sci Nat Catania Bull Sedute (SER 4)8(8):610-625 MAP REF

1966 507 C28 Bibliography, Buprestidae, Coleoptera, Insect biology, Insect taxonomy, Zoogeography. 14 spe-cies are discussed. english, French, German summary.

22924-68

A NEW NAME IN EUROPEAN TIPULIDAE AND TWO ADDITIONS TO THE SWEDISH LIST.

B Tjeder

Opusc Entomol 33(3):280 15 Nov 1968 421 OP7 Insect taxonomy, Tipulidae.

22925-68

A NEW NAME IN EUROPEAN TIPULIDAE (DIPTERA).

B Tjeder

Opusc Entomol 32(3):228 10 Nov 1967 421 OP7

Insect taxonomy, Tipulidae.

22926-68

22926-68

THE IDENTITY OF RHABDOMASTIX PARVA EDW., 1938 (DIPTERA: TIPULIDAE).

B Tjeder

Opusc Entomol 32(3):225-227

10 Nov 1967 421 OP7

Insect taxonomy, Tipulidae, Zoogeography.

22927-68

TWO NEW NAMES IN EUROPEAN CHRYSOPIDAE (NEUROPTERA).

B Tjeder

Opusc Entomol 32(3):229

10 Nov 1967 421 OP7 Chrysopidae, Insect taxonomy.

22928-68

MYCETOPHILIDAE AND SCIARIDAE FROM SPITSBERGEN, COLLECTED BY DR. J. KAISILA IN 1965.

R Tuomikoski

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(1):43-51 REF

1967 421 SU7

Diptera, Myeetophilidae, Sciaridae, Zoogeography.

Abstract

22929-68

THORACISPA DREGEI CHAPUIS. 227. CONTRIBUTION TO THE KNOWLEDGE OF THE HISPINAE. (GE)

E Uhmann

Opusc Entomol 32(1-2):155-158

30 Mar 1967 421 OP7

Hispinae, Inseet eeology, Inseet taxonomy.

22930-68

COLLEMBOLES OF SPITSBERGEN.

A Valpas

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(1):28-40 MAPS, REF 1967 421 SU7

Collembola, Zoogeography.

22931-68

A NEW GENUS AND SPECIES OF MEALYBUG FROM THE PHILIPPINE ISLANDS (HOMOP-TERA: PSEUDOCOCCIDAE).

D J Williams

Biol Soc Wash Proc 80:27-30

24 Mar 1967 500 W272

Inseet taxonomy, Pseudocoeeidae, Zoogeography.

22932-68

SEASONAL DISTRIBUTION OF THE LESSER PEACH TREE BORER IN SOUTHERN INDIANA.

TTYWong MLCleveland JEcon Entomol 61(6):1674-1677

16 Dec 1968 421 J822

Insect traps, Peaches, Population, Synanthedon pietipes, Temperature.

PHYSIOLOGY AND BIOCHEMISTRY

22933-68

BIONOMICS OF PSOROPHORA VARIPES, A MODEL LABORATORY MOSQUITO.

A Aboualy W R Horsfall

J Econ Entomol 61(6):1657-1660

16 Dec 1968 421 J822

Experimental insects, Insect behavior, Insect biology, Insect ecology, Insect rearing, Psorophora variees.

22934-68

BEHAVIOR OF IRRADIATED BOLL WEEVILS. II. REPRODUCTION AND MORTALITY IN CAGES WITH UNTREATED BOLL WEEVILS.

J Econ Entomol 61(6):1680-1684

16 Dec 1968 421 J822

Anthonomus grandis, Cobalt isotopes, Gamma rays, Insect behavior, Mortality, Reproduction, Sex attractants. Sterility.

22935-68

STUDIES ON THE EFFECT OF BACILLUS THURINGIENSIS BERL. ON THE SPINY BOLLWORM, EARIAS INSULANA BOISD. AND OTHER LEPIDOPTEROUS INSECTS.

A F Al-Azawi

Entomophaga 9(2):137-145

1964 421 EN835

Bacillus thuringiensis, Biological control (insects), Earias insulana, Insect physiology, Lepidoptera, Research, French summary.

22936-68

COMPARISON OF DIFFERENT METHODS OF COUNTING ARTHROPOD POPULATIONS LIVING OFF APPLE TREES. (FR)

M Baggiolini Th Wildbolz

Entomophaga 10(3):247-264

1965 421 EN835

Apples, Arthropoda, Diptera, Hymenoptera, Inseet traps, Lepidoptera, Population, Trees. English summary

22937-68

METHOD OF VISUAL CONTROL OF THE INFESTATIONS OF ARTHROPOD PARASITES OF APPLE TREES. (FR)

M Baggiolini

Entomophaga 10(3):221-229

1965 421 EN835

Apples, Arthropoda, Inseet control, Parasitism. English summary.

22938-68

BEHAVIOR OF IRRADIATED BOLL WEEVILS. I. FEEDING, ATTRACTION, MATING, AND MORTALITY.

A C Bartlett P A Hooker D D Hardee

J Econ Entomol 61(6):1677-1680 REF

16 Dec 1968 421 J822

Anthonomus grandis, Cobalt isotopes, Gamma rays, Inseet behavior, Mortality, Sex attractants, Sex behavior, Sterility.

22939-68

SLOW AND SPIKE POTENTIALS RECORDED FROM RETINULA CELLS OF THE HONEYBEE DRONE IN RESPONSE TO LIGHT.

F Baumann

J Gen Physiol 52(6):855-875 REF

Dec 1968 447.8 J822

Apis mellifera, Bio-electric potential, Insect physiology, Photosensitization, Retina.

22940-68

OVIPOSITION AND DEVELOPMENT OF THE FACE FLY IN FECES OF SIX SPECIES OF ANIMALS.

D E Bay C W Pitts G Ward J Econ Entomol 61(6):1733-1735

16 Dec 1968 421 J822

Biological assay, Deer, Feees, Insect behavior, Insect physiology, Insect rearing, Livestock, Musca autumnalis, Ovulation, Reproduction.

22941-68

THE AVAILABLE DATA ON THE EFFECT OF SPRAY CHEMICALS ON USEFUL ARTHROPODS IN ORCHARDS.

A F H Besemer

Entomopliaga 9(3):263-269

1964 421 EN835

Arthropoda, Beneficial insects, Chemical control (insects), Fungicides, Pesticides, Spraying. German summary.

22942-68

INVESTIGATIONS ON PARASITES OF TORTRIX VIRIDANA L. I. SPECTRUM OF SPECIES, FREQUENCY AND DOMINANCE. (AN EVALUATION OF THE LITERATURE). (GE) H Bogenschuetz

Entomophaga 9(3):281-292 REF

421 EN835

Insect biology, Literature, Parasitism, Research, Tortrix viridana. English summary.

22943-68

INVESTIGATIONS ON PARASITES OF TORTRIX VIRIDANA L. II. DETERMINATION TABLES OF LARVAE AND PUPAE OF SOME TORTRICIDAE FEEDING ON OAKS AS AN AID IN THE REARING OF PARASITES. III. ON THE PHENOLOGY OF SOME IMPORTANT SPECIES OF PARASITES. (GE)

H Bogensehuetz

Entomophaga 10(1):67-81 REF

1965 421 EN835

Feeding, Larvae, Parasitism, Pupae, Quereus, Research, Tortrix viridana. English summary for each part

22944-68

THE TRICHOGRAMMID PARASITES OF PROCERAS SACCHARIPHAGUS BOJ., A SUGARCANE BORER OF MADAGASCAR. I. ECOLOGY OF THE AUTOCHTONOUS PARASITE TRICHOGRAMMA AUSTRALICUM GIR. THE EFFECTS OF STRENGTHENING THE PARASITE POPULATION. (FR

J Breniere

Entomophaga 10(1):83-96 REF MAP

1965 421 EN835

Ecology, Parasitism, Population, Proceras saeehariphagus, Sugareane, Trichogramma australieum, Trichogrammatidae. English summary

22945-68

EFFECT OF STARVATION ON MOLTING AND GROWTH IN AEDES AEGYPTI AND A. VEX-ANS.

R A Brust

J Econ Entornol 61(6):1570-1572 REF

12 Dec 1968 421 J822

Aedes aegypti, Aedes vexans, Insect physiology, Larvae, Molting (insects), Starvation.

22946-68

LABORATORY METHODS FOR EVALUATION OF TOXICANTS FOR THE BED BUG AND THE ORIENTAL RAT FLEA.

G S Burden B J Smittle

J Econ Entornol 61(6):1565-1567

12 Dec 1968 421 J822

Chemical control (insects), Cimex lectularius, Insecticides, Methodology, Xenopsylla cheopis.

22947-68

ABOUT THE CHARACTERISATION OF PRODUCTS BASED ON BACILLUS THURINGIENSIS BERLINER WITH REGARD TO THE BIOLOGICAL TITRATION OF THE SOLUBLE THERMOSTABLE TOXIN. (FR)

A Burgerjon

Entomophaga 10(1):55-65 REF 1965 421 EN835

Bacillus thuringiensis, Biochemistry, Biological control (insects), Insect diseases, Temperature, Toxins, Volumetric analysis. English summary.

22948-68

THE BIOLOGICAL TITRATION OF CRYSTALS OF BACILLUS THURINGIENSIS BERLINER BY CONSUMMATION REDUCTION AT THE LA MINIERE LABORATORY. (FR)

A Burgerjon

Entomophaga 10(1):21-25

1965 421 EN835

Baeillus thuringiensis, Biochemistry, Insect control, Volumetrie analysis. English summary

22949-68

SOME NORTH AMERICAN PARASITES OF ACLERDA (HYMENOPTERA, ENCYRTIDAE). B D Burks

Entomophaga 9(1):17-20

1964 421 EN835

Aelerda, Encyrtidae, Insect physiology, Insect taxonomy, Parasitic insects, Zoogeography. French

22950-6

BIBLIOGRAPHY ON THE SYSTEMATICS OF ENTOMOPHAGOUS INSECTS. VII. (FR) Entomophaga 9(4):391-399

1964 421 EN835

Acarina, Bibliography, Coleoptera, Diptera, Hymenoptera, Insect behavior, Neuroptera, Parasitism, Predaceous insects.

SOME FACTORS INFLUENCING THE OCCUR-RENCE AND SITE OF OVIPOSITION BY APHIDOPHAGOUS SYRPHIDAE (DIPTERA).

A E F Chandler

Ann Appl Biol 61(3):435-446 REF

Jun 1968 442.8 AN72

Aphididae, Diptera, Insect behavior, Insect eggs, Ovulation, Syrphidae.

22952-68

THE PATTERN OF MOVEMENTS OF ADULTS OF THE NORTHERN CORN ROOTWORM INSIDE AND OUTSIDE OF CORN FIELDS.

J E Cinereski H C Chiang

J Econ Entomol 61(6):1531-1536

16 Dec 1968 421 J822

Corn, Diabrotica longicornis, Gastrointestinal system, Insect eggs, Insect migration, Ovaries, Ovulation.

22953-68

SYMPOSIUM ON THE TITRATION OF BACIL-LUS THURINGIENSIS BERLINER PREPARA-TIONS. (PARIS, 5-7 MARCH 1964).

Entomophaga 10(1):3-20 REF

1965 421 EN835

Bacillus thuringiensis, Insect control, Methodology, Symposia, Volumetric analysis.

INTERNATIONAL SYMPOSIUM ON THE IDENTIFICATION AND ASSAY OF VIRUSES AND BACILLUS THURINGIENSIS USED FOR INSECT CONTROL. (LONDON 13TH JULY

Entomophaga 10(1):29-40 REF

1965 421 EN835

Bacillus thuringiensis, Biological assay, Insect control, Insect diseases, Symposia, Viruses.

22955-68

STUDIES ON THE ATTACK BEHAVIOR OF THE SOUTHERN PINE BEETLE. II. RESPONSE TO ATTRACTIVE HOST MATERIAL

J E Coster R I Gara

Boyce Thompson Inst Contrib 24(4, JUL-SEP):69-

Sep 1968 451 B69

Chemoreceptors, Demography, Dendroctonus frontalis, Insect behavior, Insect flight, Smell.

THE HABROLEPIS FOERSTER, 1856 (HYM., CHALCIDOIDEA, ENCYRTIDAE). (FR)

V Delucchi

Entomophaga 10(3):295-304 REF

1965 421 EN835

Encyrtidae, Habrolepis, Insect taxonomy. English

ADDITIONS AND CORRECTIONS TO VOLUME 8 OF THE WORK OF P. P. GRASSE (MORPHOLOGY OF THE ARTHROPODS). PART 15, NO. 48-A. DIPTERA; TERMITOX-ENIIDAE. (FR)
J R Denis

J R Denis

Dijon Univ Lab Zool Trav (77):1-5

27 Mar 1968 410.9 D56

Diptera, Insect morphology, Larvae.

ADDITIONS AND CORRECTIONS TO VOLUME 8 OF THE WORK OF P. P. GRASSE (MORPHOLOGY OF THE ARTHROPODS). PART 14, NO. 47. DIPTERA: HEAD, LARVAE. (FR)

J R Denis

Dijon Univ Lab Zool Trav (76):37-54

05 Jan 1968 410.9 D56

Diptera, Head, Insect morphology, Larvae, Muscles.

ADDITIONS AND CORRECTIONS TO VOLUME 8 OF THE WORK OF P. P. GRASSE (MORPHOLOGY OF THE ARTHROPODS). PART 14, NO. 46. TRICHOPTERA: HEAD, IMAGOS. (FR) J. R. Denis.

J R Denis

Dijon Univ Lab Zool Trav (76):11-36

05 Jan 1968 410.9 D56

Head, Insect morphology, Mouth parts, Muscles, Trichoptera.

22960-68

ADDITIONS AND CORRECTIONS TO VOLUME 8 OF THE WORK OF P. P. GRASSE (MORPHOLOGY OF THE ARTHROPODS). PART 14, NO. 45. DERMAPTERA: GENITALIA OF ANISOLABIS. (FR)

1 R Denis

Dijon Univ Lab Zool Trav (76):1-10

05 Jan 1968 410.9 D56

Dermaptera, Insect morphology, Reproductive organs.

ADDITIONS AND CORRECTIONS TO VOLUME 8 OF THE WORK OF P. P. GRASSE (MORPHOLOGY OF THE ARTHROPODS). PART 16, NO. 50. COLEOPTERA: ABDOMEN AND GENITALIA OF THE MALE. (FR)

J R Denis

Dijon Univ Lab Zool Trav (78):1-60

14 May 1968 410.9 D56

Abdomen, Coleoptera, Insect morphology, Muscles, Reproductive organs.

22962-68

ADDITIONS AND CORRECTIONS TO VOLUME 8 OF THE WORK OF P. P. GRASSE (MORPHOLOGY OF THE ARTHROPODS). PART 17, NO. 51. ORTHOPTERA: HEAD. (FR.)

Dijon Univ Lab Zool Trav (79):1-43 17 Jun 1968 410.9 D56

Head, Insect morphology, Muscles, Orthoptera.

ADDITIONS AND CORRECTIONS TO VOLUME 8 OF THE WORK OF P. P. GRASSE (MORPHOLOGY OF THE ARTHROPODS). PART 15, NO. 49. HETEROPTERA: HEAD. (FR

J R Denis

Dijon Univ Lab Zool Trav (77):13-40

27 Mar 1968 410.9 D56

Head, Heteroptera, Insect morphology.

22964-68

ADDITIONS AND CORRECTIONS TO VOLUME 8 OF THE WORK OF P. P. GRASSE (MORPHOLOGY OF THE ARTHROPODS). PART 15, NO. 48-D. LEPIDOPTERA: 1) NERVOUS SYSTEM IN GALLERIA. 2) MORPHOLOGY OF THE ARTHROPOLOGY. GY OF THE CATERPILLAR LITHOCOLLETIS. (FR)

J R Denis

Dijon Univ Lab Zool Trav (77):8-12 27 Mar 1968 410.9 D56

Galleria, Insect morphology, Larvae, Lepidoptera, Nervous system.

22965-68

ADDITIONS AND CORRECTIONS TO VOLUME 8 OF THE WORK OF P. P. GRASSE (MORPHOLOGY OF THE ARTHROPODS). PART 15, NO. 48-C. ODONATA: ABDOMEN OF AESCHNA. (FR)

J R Denis

Dijon Univ Lab Zool Trav (77):7

27 Mar 1968 410.9 D56

Abdomen, Insect morphology, Odonata.

SOME INFORMATION ON TRIATOMIDS OF PERNAMIFUCO. (POR)

J E Dobbin A E Cruz

Rev Brasil Malar Doencas Trop 18(2):261-267

Apr 1966 448.8 R3283

Benzene hexachloride, Insect control, Reduviidae, Trypanosomiasis. English and portuguese summa-

FIELD EXPERIMENTS WITH ATTRACTANTS FOR THE FACE FLY.

C K Dorsey

J Econ Entornol 61(6):1695-1696 REF

16 Dec 1968 421 J822

Attractants, Beef cattle, Cattle, Musca autumnalis.

22968-68

EPR STUDY OF LIVE AND DEAD DROSO-PHILA ADULTS UNDER AEROBIC CONDI-TIONS. ABSTRACTS, 1968 PROCEEDINGS, APRIL 26, 27, 1968. LINCOLN, NEBRASKA. P.S. Duke

Nebr Acad Sci Proc 3-4

26 Apr 1968 500 N27P

Aging, Drosophila azteca, Drosophila melanogaster, Drosophilidae, Insect physiology, Drosophila Spectroscopy.

Abstract

22969-68

A GRANULOSIS OF EUPSILIA TRANSVERSA (LEPIDOPTERA, NOCTUIDAE) IN WEST NORWAY.

T Edland

Entomophaga 10(4):331-333

1965 421 EN835

Eupsilia transversa, Granuloses, Lepidoptera, Noctuidae. French summary.

DEVELOPMENT AND STRUCTURE OF THE COMPOUND EYE IN THE COTTON LEAF-WORM, PRODENIA LITURA F., AND THE PINK BOLL-WORM, PECTINOPHORA GOS-SYPIELLA S. (LEPIDOPTERA).

B M El-Sawaf A H Kaschef A A Soliman

Zool Beitr 14(3):447-470 REF

11 Jan 1968 410 Z753 Eyes, Insect histology, Insect morphology, Insect physiology, Pectinophora gossypiella, Prodenia. German abstract

THE INTERRELATIONS BETWEEN APPLE APHIDS AND THEIR PARASITES AND HYPER-PARASITES.

H H Evenhuis

Entomophaga 9(3):227-231

1964 421 EN835

Aphididae, Apples, Hyperparasitism, Insect behavior, Insect physiology, Parasitism. German summary.

A CONTRIBUTION TO THE BIOLOGY OF EU-RYTOMA CURCULIONUM MAYR (HYM., EU-RYTOMIDAE).

Entomophaga 10(4):317-318

1965 421 EN835

Apion, Eurytoma curculionum, Hymenoptera, Insect biology, Insect eggs, Parasitism. German summary

22973-68

CHEMOSTERILIZATION OF THE TOBACCO BUDWORM: A SURVEY OF 16 COMPOUNDS FED TO ADULT MOTHS.

H M Flint W Klassen J F Norland E L Kressin J Econ Entomol 61(6):1726-1729 REF

16 Dec 1968 421 J822

Chemical control (insects), Chemosterilants, Heliothis virescens, Sterility.

BIBLIOGRAPHY ON BIOLOGICAL CONTROL.

IX. (FR) J M Franz W Laux

Entomophaga 9(4):311-389 REF

1964 421 EN835

Bibliography, Biological control (insects), Insect pests, Research. English and German translations of introduction.

ENTOMOLOGY

22975-68

DAILY SUSCEPTIBILITY OF HOUSE FLIES TO MALATHION.

L Frudden S G Wellso

J Econ Entomol 61(6):1692-1694

16 Dec 1968 421 J822

Lighting, Malathion, Mortality, Musca domestica, Photoperiodism.

22976-68

DEVELOPMENT OF AN AUTOSTERILIZATION TECHNIQUE FOR THE HOUSE FLY.

R L Fye G C LaBrecque P B Morgan M C

J Econ Entornol 61(6):1578-1581

12 Dec 1968 421 J822

Chemosterilants, Insect migration, Methodology, Musca domestica, Styrene polymers, Tepa.

22977-68

GAMASID MITES OF CHIROPTERA (PARASITIFORMES, GAMASDIDEA) IN AZER-BALJAN. (RUS)

A T Gadjiev T A Dubovchenko Zool Zhur 46(11):1716-1719

Nov 1967 410 R92

Birds, Gamasides, Insect taxonomy, Mites, Parasitism, Rodents, Surveys.

22978-68

A BIOLOGICAL ASSAY TECHNIQUE FOR THE ASSESSMENT AND COMPARISON SYSTEMIC INSECTICIDE RESIDUES. COMPARISON

D J Galley

Ann Appl Biol 61(3):457-466 REF

Jun 1968 442.8 AN72

Aphididae, Biological assay, Insect physiology, Insecticides, Mortality, Pesticide residues.

22979-68

OBSERVATIONS ON THE BIOLOGY OF PROSPALTELLA PERNICIOSI TOW. IN THE PO VALLEY. (IT)

P I Gambaro

Entomophaga 10(4):373-376

1965 421 EN835

Aspidiotus perniciosus, Insect biology, Parasitic insects, Prospaltella perniciosi, Reproduction. English summary.

22980-68

PARTICLE COUNTS OF WOUND TUMOUR VIRUS DURING ITS PEAK CONCENTRATION IN LEAFHOPPERS.

R Gamez L M Black

Virology 34(3):444-451 REF

Mar 1968 448.8 V81

Cicadellidae, Injuries, Insect biology, Neoplasms, Virus diseases (animals).

A HISTOLOGICAL STUDY OF NEUROSECRE-TION IN ANTS (FORMICOIDEA).

R B Gawande

Acto Ent Bohemoslov 65(5):349-363 REF

1968 420 C33

Corpora cardiaca, Formicidae, Hormones, Insect histology, Nervous system.

TITER DETERMINATIONS OF PREPARA-TIONS OF BACILLUS THURINGIENSIS BER-LINER.

H P M Geesteranus

Entomophago 10(1):27

1965 421 EN835

Bacillus thuringiensis, Biological control (insects), Insect diseases, Larvae, Phosphorus, Pieris brassicae, Radioactive tracers, Volumetric analysis. Summary only given

22983-68

CRYSTALLINE REGIONS ON THE AXON MEMBRANE SURFACE OF INSECT PHOTORECEPTOR CELLS.

G Gemne

Life Sci 7(24,PT 2):1239-1241

15 Dec 1968 442.8 L62

Electron microscopy, Histology, Insect physiology, Manduca sexta, Nerves, Retina.

BIBLIOGRAPHY

DIELDRIN-RESISTANT CABBAGE ROOT FLY IN ENGLAND.

K G Gostick P M Baker

Ann Appl Biol 61(3):447-456

Jun 1968 442.8 AN72

Cabbage, Dieldrin, Hylemya brassicae, Insecticide resistant insects.

EVIDENCE THAT ORMOCERUS BORGES WALKER IS THE MALE OF EPICOPTERUS CHOREIFORMIS WESTWOOD (HYM., CHAL-CIDOIDEA, PTEROMALIDAE).

M W R de V Graham

Entomophago 9(1):45-51

1964 421 EN835

Chalcidoidea, Insect biology, Nomenclature, Pteromalidae. French summary.

22986-68

THE EFFICACY OF A MIXTURE OF BACIL-LUS THURINGIENSIS BERL. AND OF DDT AGAINST AGROTIS IPSILON ROTT. (NOCTUIDAE). (FR)

A Haenggi

Entomophago 10(4):343-348

1965 421 EN835

Agrotis ipsilon, Bacillus thuringiensis, Biological control (insects), Chemical control (insects), DDT, Insect control, Insecticides, Larvae. German

22987-68

NOTES ON THE MATING HABITS OF THE HORN FLY.

R L Harris E D Frazar C D Schmidt J Econ Entornol 61(6):1639-1640

16 Dec 1968 421 J822

Cattle, Haematobia irritans, Insect behavior, Sex behavior.

22988-68

BIOLOGY OF CHORISTONEURA HOUSTONANA (LEPIDOPTERA: TRICIDAE), A PEST OF JUNIPERUS SPECIES.

E A Heinrichs H E Thompson

Can Entomol 100(7):750-763 REF

Jul 1968 421 C16

Choristoneura houstonana, Insect biology, Insect eggs, Insect morphology, Insect pests, Juniperus, Larvae, Pupae.

Abstract

22989-68

REPRODUCTION, LONGEVITY, AND FLIGHT OF CABBAGE LOOPER MOTHS TREATED TOPICALLY WITH TEPA.

T J Henneberry A N Kishaba M Z lobal B B Klingler

J Econ Entomol 61(6):1536-1539

16 Dec 1968 421 J822

Chemosterilants, Insect flight, Insect physiology, Longevity, Reproduction, Tepa, Trichoplusia ni.

22990-68

TWO GENERA OF THE FAMILY ENCYR-TIDAE (HYM., CHALCIDOIDEA), NEW FOR EUROPE. (GE)

A Hoffer

Acto Ent Bohemoslov 65(5):379-385

1968 420 C33

Hymenoptera, Insect taxonomy, Zoogeography. English and Czech abstracts

22991-68

THE BIOLOGY OF MICROPHTHALMA EU-ROPAEA EGG., A TACHINID PARASITE OF THE LARVAE OF SCARABAEIDAE. (FR)

B Hurpin M Fresneau

Entomophogo 9(2):187-205 REF

1964 421 EN835

Insect biology, Insect eggs, Larvae, Microphthalma europaea, Natural control (insects), Parasitic insects, Scarabaeidae, Tachinidae, Temperature. German summary.

PRODUCTION, IDENTIFICATION, AND STAN-DARDIZATION OF INSECT VIRAL PATHOGENS.

C M Ignoffo

Entomophoga 10(1):29-40 REF

1965 421 EN835

Classification, Insect control, Insect diseases, Taxonomy, Viruses. French summary

USING BLACK LIGHT TO FIND JACK PINE BUDWORM EGG MASSES.

D T Jennings

U S Forest Serv Res Note N C 56:1-3

1968 ASD11.A33

Choristoneura pinus, Equipment, Fluorescein, Fluorescent lamps, Infrared rays, Research.

THE USE OF SOME INEXPENSIVE YEASTS IN THE LARVAL DIET OF THE MEDITERRANE-AN FRUIT-FLY. (CERATITIS CAPITATA). (SP) K P Katiyar

Turriolba 18(3,JUL-SEP):264-267

1968 8 T86

Ceratitis capitata, Diet, Economics, Fertility, Food yeasts, Insect physiology, Insect rearing, Larvae, Research, English summary.

INSECTICIDES FOR CONTROL OF INSECTS ATTACKING ALFALFA SEED IN EASTERN NEBRASKA.

S D Kindler G R Manglitz J M Schalk

J Econ Entornol 61(6):1636-1639

16 Dec 1968 421 J822

Alfalfa, Bruchophagus roddi, Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Insecticides, Loxostege similalis, Organophosphorus compounds, Seeds.

AN ATTEMPT AT THE LIQUIDATION OF A PRIMARY CENTER OF MASS APPEARANCE OF INJURIOUS INSECT.

W Koehler J Burzynski

Entomophoga 10(4):367-372 REF

1965 421 EN835

Acantholyda nemoralis, Breeding, Insect control, Insect ecology, Insect pests, Integrated control (insects), Parasitism. French summary.

EFFECTS OF AN OCTOSPOREOSIS ON THE LOCOMOTOR ACTIVITY OF ADULT PHOR-MIA REGINA (MEIGEN). (DIPT. CAL-LIPHORIDAE).

J P Kramer

Entornophaga 10(4):339-342

1965 421 EN835

Diptera, Insect behavior, Insect diseases, Insect Locomotion, Octosporea physiology, muscaedomesticae, Phormia regina. German summary

22998-68

BIOASSAY AND STANDARDIZATION OF BACILLUS THURINGIENSIS PREPARATIONS: SPORE-ENDOTOXINE-COMPLEX.

A Krieg Entomophogo 10(1):49-54 REF

1965 421 EN835 Bacillus thuringiensis, Biological assay, Biological control (insects), Endotoxins, Insect diseases, Spores. German summary

STUDIES ON THE SEX RATIO AND ADULT EMERGENCE OF APANTELES TACHARDIAE CAM. IN THE LABORATORY CULTURE. S M Kulkarni

Entomophogo 10(4):319-321

1965 421 EN835

Apanteles tachardiae, Insect rearing, Sex. French summary

23000-68

DEFENSE REACTIONS OF MALACOSOMA NEUSTRIA AGAINST TACHINID LARVAE WITH SIMULTANEOUS OCCURRENCE OF A NUCLEAR POLYHEDROSIS. (1) (2). (GE)

W Laux

Entomophaga 9(3):293-298

1964 421 EN835

Cell nucleus, Insect behavior, Larvae, Malacosoma Mcricia ampelus, Mortality, ncustria. Polyhedroses, Tachinidac. English summary

AN ACRIDOLOGICAL EXCURSION IN EL JUNCAL VALLEY (RIO NEGRO). (SP)

J Liebermann

Soc Cien Argentine An 184(1-2, JUL-AUG):3-11 Aug 1967 516 SO1

Grasshoppers, Insect migration, Insect outbreaks. English abstract

23002-68

BRACONIDAE AS PARASITES OF STAPHYLINIDAE. (GE)

E Lipkow

Entomophaga 10(4):377-381

1965 421 EN835

Braconidae, Centistes, Insect behavior, Parasitic insects, Staphylinidae, Tachyporus. English sum-

THE STRUCTURE OF THE RECEPTACULUM SEMINIS OF EYPREPOCNEMIS PLORANS (CHARP.) (ORTHOPTERA, CATANTOPIDAE). (IT) V dc Luca

Accad Gioenia Sci Nat Catania Bull Sedute (SER 4)8(6/7):533-550 REF

1965 507 C28

Cells, Cuticle, Epithelium, Eyprepocnemis plorans, Insect anatomy, Insect morphology, Spermatheca. English, German, and French summary.

POLLEN-FORAGING BEHAVIOR OF BOMBUS IN RELATION TO POLLINATION OF NOTOTRIBIC FLOWERS.

L W Macior

Amer J Bot 54(3):359-364 REF

Mar 1967 450 AM36

Antirrhinum, Bombus, Insect behavior, Linaria, Pollination.

EFFECT OF THE TOXIN OF THE PARASPORAL INCLUSION OF BACILLUS THURINGIENSIS BERLINER ON THE MESEN-TERY OF PIERIS BRASSICAE L. (FR)

D Martouret J Lhoste A Roche Entomophaga 10(4):349-365 REF

1965 421 EN835

Bacillus thuringiensis, Biological control (insects), Citric acid, Digestion, Insect diseases, Pieris brassicae, Toxins. English summary.

23006-68

A REDESCRIPTION OF THREE SPECIES OF **PROCTOT**RUPOIDEA (HYMENOPTERA) FROM JURINE'S COLLECTION.

Entomophaga 9(1):81-89 REF

1964 421 EN835

Hymenoptera, Insect biology, Insect identification, Insect taxonomy, Proctotrupoidea. French summary. many species are described.

23007-68

STUDY OF THE EFFICACY OF PROSPALTEL-LA PERNICIOSI TOW. IN SWITZERLAND AS A PARASITE OF THE SAN JOSE SCALE. (FR)

G Mathys E Guignard Entomophaga 10(3):193-220 REF MAP 1965 421 EN835

Aspidiotus perniciosus, Biological control (insects), Insect cultures, Parasitism, Prospaltella perniciosi, Research. English summary.

COMPARATIVE STUDY OF THE METHODS OF COUNTING PANONYCHUS ULMI KOCH POPULATIONS. (FR)

G Mathys M van de Vrie Entomophaga 10(3):265-271

1965 421 EN835

Fruit, Insect cggs, Mites, Ovipositors, Panonychus ulmi, Population, Research. English summary

MOLECULAR STRUCTURE OF NONIONIC SURFACTANTS IN RELATION TO LABORA-TORY INSECTICIDAL ACTIVITY.

K E Maxwell W D Piper

J Econ Entomol 61(6):1633-1636 REF

16 Dec 1968 421 J822

Chemical control (insects), Chemistry, Culex pipiens quinquefasciatus, Insecticides, Molecules, Pupae, Surface-active agents.

VISION OF THE LARGE CASPIAN TERMITE ADACANTHOTERMES AHNGERIANUS JACOBS. (INSECTA, ISOPTERA) ACCORDING TO THE DATA OF ELECTROPHYSIOLOGICAL EXPERIMENTS. (RUS)

G A Mazohkin-Porshnyakov T M Vishnevskaya K V Golubtzov

Zool Zhur 46(11):1668-1674 REF

Nov 1967 410 R92

Electrophysiology, Insect physiology, Termites, Vision. English summary

Abstract

23011-68

THE WHITE-FIR NEEDLE MINER, EPINOTIA MERITANA, IN UTAH-.

M D McGregor R 1 Washburn

J Econ Entomol 61(6):1506-1507

16 Dec 1968 421 J822

Abies concolor, Epinotia meritana, Hymenoptera, Insect biology, Insect eggs, Insect rearing, Natural control (insects), Parasitic insects.

CHEMOSTERILANT EFFECTS OF TEPA, APHOLATE, AND METEPA ON THE ALFALFA WEEVIL.

J R McLaughlin R G Simpson

J Econ Entomol 61(6):1730-1733 REF

16 Dec 1968 421 J822

Apholate, Chemosterilants, Hypera postica, Insect eggs, Insect physiology, Metepa, Reproduction, Sterility, Tepa.

23013-68

THE OPTICS OF INSECT COMPOUND EYES.

W H Miller G D Bernard J L Allen Science 162(3855):760-767 REF

15 Nov 1968 470 SC12

Eyes, Insect physiology, Light.

23014-68

IMMUNOREACTIONS OF INSECTS. I. LYSOZYME AS A FUNDAMENTAL ANTIBACTERIAL FACTOR IN HUMORAL PROTECTIVE MECHANISMS OF INSECTS. (GE)

W Mohrig B Messner

Biol Zentralbl 87(4,JUL-AUG):439-470 REF Aug 1968 442.8 B523

Bacteriolysis, Body fluids, Galleria mellonella, Immunity, Immunochemistry, Insect protective devices, Muramidase. English and Russian abstracts

23015-68

AN ARTIFICIAL MEDIUM FOR REARING PRODENIA LITURA F. AND TWO OTHER NOCTUIDS.

I Moore A Navon Entomophaga 9(2):181-185 1964 421 EN835

Agrotis ipsilon, Insect physiology, Insect rearing, Noctuidae, Prodenia litura, Pseudaletia unipuncta. French summary.

23016-68

OBSERVATIONS ON THE IMMATURE STAGES OF GIMNOMERA CEREA AND G. INCISURATA (DIPTERA: ANTHOMYIIDAE, SCATOPHAGINAE).

S E Neff

Can Entomol 100(1):74-83 REF

Jan 1968 421 C16

Anthomyiidae, Gimnomera cerea, Gimnomera incisurata, Insect behavior, Larvae, Metamorphosis, Pedicularis canadensis, Penstemon, Predaccous in-

23017-68

A CONTRIBUTION TO THE TECHNIQUE OF THE MASS REPRODUCTION OF THE ANGOU-MOIS GRAIN MOTH SITOTROGA CEREALEL-LA (OLIV.). (GE

F Neubecker

Anz Schadlingskunde 49(7):104-110 REF

Jul 1967 421 AN9

Breeding, Experimental insects, Insect eggs, Methodology, Reproduction, Research, Sitotroga cerealella. English summary.

CONCERNING THE ATTEMPTS TO RELEASE PROSPALTELLA PERNICIOSI TOWER (HYMENOPTERA, APHELINIDAE) AGAINST THE SAN JOSE SCALE (QUADRASPIDIOTUS PERNICIOSUS COMSTOCK) IN BADENWUERTTEMBERG. (GE)

Entomophaga 9(2):131-136

1964 421 EN835

Aphelinidae, Aspidiotus perniciosus, Biological control (insects), Parasites, Prospaltella fasciata, Prospaltella perniciosi. French summary

23019-68

THE IDENTIFICATION OF **BACILLUS** THURINGIENSIS.

J R Norris H D Burges

Entomopliaga 10(1):41-47 REF

1965 421 EN835

Antigens, Bacillus thuringiensis, Classification, Esterases, Insect control, Insect discases, Taxonomy. French summary.

TOXICITY OF NICOTIANA AND PETUNIA SPECIES TO LARVAE OF THE TOBACCO HORNWORM.

J C Parr R Thurston

J Econ Entomol 61(6):1525-1531 REF

13 Dec 1968 421 J822

Manduca sexta, Nicotiana, Petunia.

ACCUMULATION AND TRANSFER OF 32P BY MALE SOUTHERN HOUSE MOSQUITOES.

R S Patterson B J Smittle C S Lofgren J Econ Entomol 61(6):1546-1548 16 Dec 1968 421 J822

Culex pipions quinquefasciatus, Insect metabolism, Phosphorus isotopes, Radioactive Reproductive organs.

PRELIMINARY REPORT ON ETHOLOGICAL OBSERVATIONS OF THE COPULATORY ACT AMONG SCHIZAPHIS DUBIA HUC. AND SCHIZAPHIS BOREALIS TAMBS-LYCHE TAMBS-LYCHE (HOM. APH.).

J Pettersson Opusc Entomol 33(3):359-361 15 Nov 1968 421 OP7

Aphididae, Insect evolution, Sex behavior.

23023-68

ON THE PHENOLOGY AND CONTROL VALUE OF STETHORUS PUNCTILLIUM WEISE AS PREDATOR OF TETRACHYNUS CIN-NEBARINUS BOISD. IN ISRAEL.

ENTOMOLOGY

23024-68

H N Plaut Entomophaga 10(2):133-137 REF

1965 421 EN835

Predaceous insects, Stethorus punctillium, Tetranychus cinnabarinus. German summary

ON A NUCLEAR AND A CYTOPLASMIC POLYHEDROSIS OF ADOXOPHYES RETICU-LANA HB.

M B Ponsen D J de Jong Entomophaga 9(3):253-255 1964 421 EN835

Adoxophyes orana, Cell nucleus, Cytoplasm, Insect physiology, Mamestra brassicae, Polyhedroses, Virus diseases (insects). German summary.

23025-68

SUB-LETHAL GAMMA RADIATION EFFECTS ON PREPUPAE, PUPAE, AND ADULTS OF AN-GOUMOIS GRAIN MOTII.

Z A Qureshi D A Wilbur R B Mills J Econ Entornol 61(6):1699-1705 REF

16 Dec 1968 421 J822

Cobalt isotopes, Gamma rays, Insect morphology, Insect physiology, Pupae, Sitotroga cerealella, Sterility

23026-68

THE ANATOMY OF THE NERVOUS SYSTEM OF THE THIRD INSTAR LARVA OF MUSCA DOMESTICA NEBULO FABR. (DIPTERA--CYCLORRHAPHA-MUSCIDAE).

D R Ranade

Inc Acad Sci Proc 65(1):34-41

Jan 1967 513 IN25B

Insect anatomy, Insect morphology, Larvae, Musca domestica, Nervous system.

Abstract

23027-68

RESEARCH NOTE: RATE OF MULTIPLICA-TION AND SEX RATIO IN RELATION TO THE QUANTITY OF FOOD MATERIAL IN BRACON BREVICORNIS WESMAEL AND PERISIEROLA NEPHANTIDIS MUESEBECK.

C S Rao N R Rao E Dharmaraju Andlira Agr J 14(5):165-166

1967 34.2 AN4

Braconidae, Coconuts, Demography, Fertility, Food habits, Insect biology.

23028-68

NEW DATA TO THE BIOLOGY OF CAPNODIS TENEBRIONIS L. (COLEOPTERA).

G Reichart

Acta Zool (budapest) 13(3-4):395-408 REF 1967 410 AC85

Buprestidae, Capnodis tenebrionis, Insect biology, Insect ecology, Insect pests, Reproduction.

23029-68

IDENTIFICATION OF TWO OXYGENATED TERPENES FROM THE BARK BEETLES DENDROCTONUS FRONTALIS AND DENDROCTONUS BREVICOMIS.

J A A Renwick

Boyce Thompson Inst Contrib 23(10,APR-JUN):355-360

Jun 1967 451 B69

Chromatography, Dendroctonus brevicomis, Dendroctonus frontalis, Spectrochemistry, Terpenes.

23030-68

IDENTIFICATION OF TWO OXYGENATED TERPENES FROM THE BARK BEETLES DENDROCTONUS FRONTALIS AND DENDROCTONUS BREVICOMIS.

J A A Renwick

Boyce Thompson Inst Contrib 23(10,APR-JUN):355-360

Jun 1967 451 B69

Biochemistry, Chromatography, Dendroctonus brevicomis, Dendroctonus frontalis, Terpenes.

CHANGES IN THE METABOLISM OF NUCLE-IC ACIDS IN THE OVARIES OF THE HOUSE FLY, MUSCA DOMESTICA, AFTER APPLICA-TION OF CHEMOSTERILANTS.

BIBLIOGRAPHY

B Rezabova

Acta Ent Boliemoslov 65(5):331-340 REF 1968 420 C33

Biochemistry, Chemosterilants, Insect metabolism, Musca domestica, Nucleic acids, Ovaries.

OBSERVATIONS ON HOST SELECTION BY TOMICOBIA TIBIALIS ASHMEAD **ASHMEAD** (HYMENOPTERA: PTEROMALIDAE).

R E Rice

Boyce Thompson Inst Contrib 24(3, APR-JUN):53-56

Jun 1968 451 B69

lps, Pheromones, Pteromalidae.

STUDY OF THE REGENERATION OF THE CU-TICULE IN DEFERNCE TO A TEGUMENTARY EXCISION IN THE LOCUSTA MIGRATORIA. (FR)

F. Rinterknecht

Arch Zool Exp Gen 108(3):461-502 REF 1967 410 AR24

Biochemistry, Cuticle, Insect physiology, Locusta migratoria, Regeneration. English abstract

THE FUNDAMENTAL SCHEMA OF OOGENE-SIS IN THE FIREBRAT LEPISMODES INQUILINUS (THYSANURA, LEPISMATIDAE) AND ITS PERIODISATION IN CONNECTION WITH IMAGINAL MOULTING CYCLES.

E B Rohdendorf

Acta Ent Boliemoslov 65(5):341-348 REF 1968 420 C33

Insect morphology, Insect phys Lepismatidae, Molting (insects), Oogenesis. physiology,

STUDIES ON THE INSECTICIDAL ACTION OF NEREISTOXIN, 4-N,N-DIMETHYLAMINO-1,2-DITHIOLANE. V. BLOCKING ACTION ON THE COCKROACH GANGLION.

M Sakai

Botyu-kagaku 32(2):21-33 REF

May 1967 421 B65

Dimethylamino-1,2-dithiolane,4-N,N-, Electrophysiology, Insect physiology, Insecticides, Nervous system, Periplaneta americana, Toxicology.

English and japanese abstracts.

23036-68

ASSAYS OF NEW PRODUCTS FOR THE CON-TROL OF RUST MITE OF CITRUS-PHYL-LOCOPTRUTA OLEIVORA (ASH.). (POR)

A S Sampaio R Calza N S Filho O Rodriguez A Orlando

Biologico 33(6):129-132

Jun 1967 442.8 B529

Acaricides, Butyl-4,6-dinitrophenyl isopropyl carbonate, 2-sec-, Chemical control (insects), Chlorophenyl 2,4,5-trichlorophenyl azosulfide, 4-, Citrus, Epizootic diseases, Fluorescent antibody technic, Histology, Maneb, Phyllocoptruta oleivora, Triphenyltin hydroxide.

23037-68

MORPHOLOGY THE AND THE BIONOMICS OF THE INSECTS OF ECONOMIC IMPORTANCE II-HEAD APPENDAGES IN AL-**PHITOBIUS** DIAPERINUS (PANZ.) (TENEBRIONIDAE-COLEOPTERA).

K Sarin V B Tembe S C Saxena

Zool Anz 180(5-6,MAY-JUN):423-435 REF Jun 1968 410 Z7

Alphitobius diaperinus, Head, Insect morphology, Mouth parts.

REMARKABLE NEW DEMONSTRATION OF THE OCCURRENCE OF THE BOTFLY OES-

TROMYIA LEPORINA (PALLAS, 1778) IN GERMANY. (GE)

H Scherf G Rietschel

Z Parasitenk 28(3):223-231 MAP REF

28 Mar 1967 442.8 Z33F

Insect morphology, Larvae, Oestridae, Oestromyia leporina, Rodents, Zoogeography.

BIOLOGICAL OBSERVATIONS ON SOME SAND FLIES (PHLEBOTOMUS) OF RANCHO GONADOTROPHIC CHAPTERA). GONADOTROPHIC CHARACTERISTICS OF PHLEBOTOMUS TOWSENDI. (SP)

J V Scorza I Ortiz I Gomez

Acta Biol Venezuelica 6(2):52-65 REF

30 Jun 1968 475 AC86

Gastrointestinal system, Malpighian tubes, Ovaries, Phlebotomus. English abstract

23040-68

BIOLOGICAL OBSERVATIONS ON SOME SAND FLIES (PHELEBOTOMUS) OF RANCHO GRANDE (VENEZUELA). 5. GONAMICROCLI-MATIC FACTORS DETERMINING EN-DEMISMS OF THE PHLEBOTOMUS-FAUNA OF RANCHO GRANDE. (SP)

J V Scorza 1 Ortiz I Gomez

Acta Biol Venezuelica 6(2):76-83 REF

30 Jun 1968 475 AC86

Climate, Insect ecology, Phlebotomus. English ab-

23041-68

FREE NUCLEOTIDES AND THEIR DERIVA-TIVES IN THE FAT BODY OF THE OAK SILK-WORM LARVA ANTHERAEA PERNYI G.

G A Sevast'yanova A N Smolin

Biokhimiya 32(3,PT 2,MAY-JUN):452-460 REF Jun 1967 385 B523

Antheraea pernyi, Biochemistry, Fat body, Insect physiology, Larvae, Nucleotides. Russian journal-vol. 32(3):548-557, May-Jun, 1967

INFECTION OF THE CITRUS RED MITE WITH VIRUS IN CENTRAL AND SOUTHERN CALIFORNIA.

J G Shaw H Tashiro E J Dietrick J Econ Entornal 61(6):1492-1495

16 Dec 1968 421 J822

Citrus, Insect diseases, Mites, Panonychus citri.

23043-68

DEVELOPMENTS IN THE RESISTANCE STATUS OF THE SOUTHERN CATTLE TICK TO ORGANOPHOSPHORUS AND CARBA-MATE INSECTICIDES.

R D Shaw M Cook R E Carson J Econ Entomol 61(6):1590-1594

12 Dec 1968 421 J822 Boophilus microplus, Carbamates, Cattle, Insect pests, Insecticide resistant insects, Insecticides, Organophosphorus compounds.

THE DYNAMICS OF THE FREE AMINO ACIDS IN THE TISSUES OF THE CHINESE SILK-WORM DURING ITS DEVELOPMENT.

L I Shchegoleva Yu B Filippovich

Biokhimiya 32(4,PT 1,JUL-AUG):632-638 REF Aug 1967 385 B523

Amino acids, Antheraea pernyi, Histochemistry, Insect physiology, Larvae. Russian journal- vol. 32(7):766-773, Jul-Aug, 1967

IRRADIATION OF QUEENSLAND FRUIT FLY PUPAE TO MEET QUARANTINE REQUIRE-MENTS.

E Shipp A W Osborn

J Econ Entomol 61(6):1721-1726 REF MAP

16 Dec 1968 421 J822

Anesthesia, Carbon dioxide, Cobalt isotopes, Dacus tryoni, Gamma rays, Pupae, Sex determina-tion, Sterility.

23046-68

STUDIES ON THE SITKA SPRUCE WEEVIL, PISSODES SITCHENSIS, IN BRITISH COLOM-BIA.

G T Silver

Can Entomol 100(1):93-110

Jan 1968 421 C16

Chemical control (insects), Ddt, Insect behavior, Insect physiology, Metamorphosis, Natural control (insects), Phosphamidon, Picca sitchensis, Pissodes sitchensis, Spraying.

Abstract: The life history of the Sitka spruce weevil, Pissodes sitchensis is described.

23047-68

FEEDING AND REPRODUCTION OF THE GRAIN MITE AND THE MUSHROOM MITE ON SOME SPECIES OF PENICILLIUM.

R N Sinha J T Mills

J Econ Entomol 61(6):1548-1552 REF

16 Dec 1968 421 J822

Acarus siro, Culture media, Food plants, Mites, Penicillium, Reproduction, Stored products, Tyrophagus putrescentiae.

23048-68

RADIOLABELING OF TICK PROGENY BY IN-OCULATION OF PROCREANT FEMALES.

D E Sonenshine C E Yunker

J Econ Entomol 61(6):1612-1617 REF

16 Dec 1968 421 J822

Injections, Insect eggs, Ixodides, Larvae, Radioactive tracers, Radiobiology, Radioisotopes.

INTEGRATED CONTROL PROBLEMS OF CITRUS AND PEACH APHID PESTS IN ITALY ORCHARDS.

P Stary

Entomophaga 9(2):147-152

1964 421 EN835

Aphididae, Citrus, Insect pests, Integrated control (insects), Peaches. French summary.

FOOD SPECIFICITY IN THE APHIDIDAE (HYMENOPTERA).

P Stary

Entomophaga 9(1):91-99 REF

1964 421 EN835

Aphididae, Food, Host specificity, Hymenoptera, Insect behavior, Parasites. German summary

23051-68

THE CHARACTERISTICS OF THE OVER-GROUND AND SOIL ZOOMICROBIOLOGICAL COMPLEXES OF THE STEPPE LANDSCAPES IN WESTERN AND MIDDLE SIBERIA. (RUS)

I V Stebaev

Zool Zhur 47(5):661-675

May 1968 410 R92

Grain, Orthoptera, Plant physiology, microbiology, Soil mineralogy, Tenebrionidae.

English and russian abstracts.

23052-68

A SIMPLE METHOD OF DETERMINING THE EFFECT OF A PLANT PROTECTION PREPARATION ON THE FAUNA OF FRUIT TREES. (GE)

Entomophaga 10(3):231-243

1965 421 EN835

Aphididae, Fruit, Insect physiology, Insecticides, Integrated control (insects), Plant protection, Trees. English summary.

23053-68

EFFECT OF TEMPERATURE ON INFECTION OF THE GARDEN SYMPHYLAN BY ENTOMOPHTHORA CORONATA.

M W Stimmann

J Econ Entomol 61(6):1558-1560

12 Dec 1968 421 J822

Entomophthora coronata, Insect diseases, Mortality, Scutigerella immaculata, Temperature.

23054-68

VENATION OF METATHORIC WINGS AND NOTES ON THE RELATIONSHIPS OF MICROPHYSIDAE (HETEROPTERA).

Acta Ent Bohemoslov 59(3):234-239 REF

1962 420 C33

Hetcroptera, Insect anatomy, Microphysidae, Venation (insects), Wings (insects). Czech summa-

FERRIEROPRIA N. GEN. (HYM. PROCT. DIAPRIIDAE, DIAPRIINAE).

A Sundholm

Entomophaga 9(1):107-110

1964 421 EN835

Diapriidae, Ferrieropria, Insect biology, Insect taxonomy. French summary.

23056-68

INTESTINAL MICROFLORA OF THE LARVAE OF ST. MARK'S FLY, III. COMPUTER ANALY-SIS OF THE INTESTINAL ACTINOMYCETES-FLORA OF VARIOUS LARVAL POPULA-TIONS.

I Szabo M Marton L Ferenczy I Buti Acta Microbiol 14(3):251-260 REF 1967 448.3 AC84

Actinomycetes, Bibio marci, Bibionidae, Intestines, Streptomyces, Symbiosis.

A bstract

23057-68

INTESTINAL MICROFLORA OF THE LARVAE OF ST. MARK'S FLY. II. COMPUTER ANALYSIS OF INTESTINAL ACTINOMYCETES FROM THE LARVAE OF A BIBIO-POPULATION.

I Szabo M Marton L Ferenczy I Buti Acta Microbiol 14(3):239-249 REF

1967 448.3 AC84

Actinomycetes, Bibio marci, Intestines, Larvae.

A bstract

23058-68

FACTORS AFFECTING THE SUSCEPTIBILITY OF INSECTS TO VIRUSES.

Y Tanada

Entomophaga 10(2):139-150 REF

1965 421 EN835

Insect control, Insect diseases, Viruses. German summary

RESULTS OF INTEGRATED PEST CONTROL IN PLUM CULTURES. (GE)

H Thill

Entomophaga 9(3):247-251

1964 421 EN835

Insecticides, Integrated control (insects), Oxydemetonmethyl, Parathion, Plums, Spraying, Trichlorfon. French summary.

OBSERVATIONS ON PREDACEOUS MITES ON PLUM TREES. (GE)

Entomophaga 9(3):239-242

1964 421 EN835

Panonychus ulmi, Phytoseiidae, Plums, Predaceous mites, Spraying, Trecs, Typhlodromus. French summary

23061-68

A RICKETTSIAL DISEASE OF THE DESERT LOCUST (SCHISTOCERCA GREGARIA FORSK.). (FR)

C Vago G Meynadier

Entomophaga 10(4):307-310

1965 421 EN835

Insect diseases, Larvae, Microscopy, Rickettsial diseases, Schistocerca gregaria. English summary

MORPHOLOGICAL STUDY OF THE VIRUS OF THE SPINDLE DISEASE OF COLEOPTERA. (FR)

C Vago O Croissant

Entomophaga 9(2):207-210

1964 421 EN835

Coleoptera, Insect diseases, Mclolontha mclolontha, Morphology, Research, Viruses. English summary

23063-68

APIIOLATE-INDUCED IN STERILITY BRACON HEBETOR.

L R Valcovic D S Grosch

J Econ Entomol 61(6):1514-1517 REF

16 Dec 1968 421 J822

Apholate, Bracon hebetor, Chemosterilants, Fertility, Insect eggs, Insect physiology, Ovaries.

FEEDING APPARATUS IN THE SCORPION, HETEROMETRUS FULVIPES.

P Venkateswararao

Inc Acad Sci Proc 66(1):1-9

Jul 1967 513 IN25B

Animal morphology, Mouth parts, Scorpionida. Hetcrometrus fulvipes,

Abstract

23065-68

THE ENTOMO-PARASITIC SPECIALIZATION OF SOME EULOPHIDAE (HYM., CHALCIDOIDEA). (IT)

G Viggiani

Entomophaga 9(1):111-118 REF

1964 421 EN835

Chalcidoidea, Eulophidae, Insect behavior, Larvae, Parasitism. English summary.

ASOLCUS BENNISI N. SP. (HYMENOPTERA, PROCTOTRUPOIDEA) AN OOPHAGOUS PARASITE OF GRAPHOSOMA LINEATA L. (HET. PENTATOMIDAE). (FR)

J Voegele

Entomophaga 9(1):119-122

1964 421 EN835

Asolcus bennisi, Graphosoma lineata, Hetcroptera, Insect eggs, Parasitism, Pentatomidae, Proctotru-poidea. English summary.

23067-68

THE EFFECT OF AN EXPERIMENTAL SPRAY SCHEDULE ON THE POPULATION OF METATETRANYCHUS ULMI KOCH AND TYPHLODROMUS PYRI SCHEUTEN.

M van de Vrie

Entomophaga 9(3):243-246

1964 421 EN835

Chemical control (insects), Panonychus ulmi, Phytophagous mites, Population, Predaceous mites, Spraying, Time, Typhlodromus pyri. Ger-

23068-68

UTILISATION OF TRICHOGRAMMA
CACOECIAE MARCH., HYM. TRICHOGRAMMATIDAE IN CONTROL OF THE PLUM MOTH
LEP. TORTRICIDAE DEPENDING ON THE
NUMBERS USED AND TIME OF INTRODUC-

I Wiackowska

Entomophaga 10(2):151-157

1965 421 EN835

Biological control (insects), Hymenoptera, Lepidoptera, Parasitic insects, Plums, Trichogramma cacoeciae, Trichogrammatidae. French summary.

23069-68

THE AREA OF EFFECTIVENESS OF THE THRUST-OUT REFLEX IN BARK BEETLES. (GE)

H E Wichmann

Anz Schadlingskunde 40(12):184-187

Dec 1967 421 AN9

Insect behavior, Insect physiology, Insect protective devices, Scolytidae. English summary.

POPULATION FLUCTUATIONS IN FRUIT ORCHARD INSECTS. (GE)

T Wildbolz

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23071-68

Entomophaga 9(3):257-262 REF

1964 421 EN835

Fruit, Insect migration, Insect pests, Insecticides, Integrated control (insects), Population. English summary.

THE EGG- AND LARVAL DEVELOPMENT OF TROGODERMA ANGUSTUM (DERMESTIDAE). (GE)

R Wohlgemuth

Anz Schadlingskunde 40(6):83-91 REF

Jun 1967 421 AN9

Dermestidac, Humidity, Insect eggs, Insect morphology, Insect pests, Insect rearing, Larvae, Temperature, Trogoderma angustum. English summary.

23072-68

CERCAL POTENTIALS IN THE PERIPLANETA AMERICANA.

A Wozniak R Alvarez E Wilson E G Austt Acta Physiol Lat Amer Fisiol Farmacol Bioquim Cienc Afines 17(1):102-111 REF 1967 444.8 AC86

Bio-electric potential, Insect physiology, Nervous system, Periplaneta americana.

Electrical potentials of 150 cockroaches in response to auditory stimuli were recorded by placing electrodes in the anal cerci, cercal nerves, sixth abdominal ganglion and ventral nerve.

23073-68

MUSCULATURE, NERVOUS SYSTEM AND GLANDS OF PREGENITAL ABDOMINAL SEGMENTS OF THE FEMALE OF NOMIA MELANDERI CKLL. (HYMENOPTERA, APOIDEA).

N N Youssef

J Morphol 125(2):205-217 REF

Jun 1968 444.8 J826

Anatomy, Glands (insects), Histology, Insect rearing, Muscles, Nervous system, Nomia melanderi, Research.

GENETICS

23074-68

CHROMOSOMES CHROMOSOMES OF SYRPHIDAE. III. KARYOTYPES OF SOME SPECIES IN THE TRIBES MILESIINI AND MYOLEPTINI.

J W Boyes J M Van Brink

Chromosoma 22(4):417-455 REF

16 Oct 1967 442.8 C46

Chromosomes, Cytogenetics, Insect genetics, Syrphidae.

23075-68

THE SALIVARY GLAND CHROMOSOMES OF DASYNEURA CRATAEGI (DIPTERA: CECIDO-MYIIDAE).

S A Henderson

Chromosoma 23(1):38-58 REF

31 Oct 1967 442.8 C46

Cecidomyiidae, Chromosomes, Cytogenetics, Insect genetics, Salivary glands (insects).

23076-68

DISTORTIONAL MEIOTIC SEGREGATION OF A SUPERNUMERARY CHROMOSOME PRODUCING DIFFERENTIAL FREQUENCIES IN THE SEXES IN THE SHORT-HORNED GRASSHOPPER PHAULACRIDIUM VIT-TATUM.

W D Jackson D S M Cheung

Chromosoma 23(1):24-37 REF

31 Oct 1967 442.8 C46

Acrididae, Chromosomes, Cytogenetics, Insect genetics, Meiosis.

23077-68

SALIVARY GLAND CHROMOSOME PATTERN VARIATION IN THE C CHROMOSOME OF DROSOPHILA ATHABASCA AND RELATED SPECIES. ABSTRACTS, 1968. PROCEEDINGS, APRIL 26, 27, 1968. LINCOLN, NEBRASKA.

D D Miller W G Sanger

Nebr Acad Sci Proc 6

26 Apr 1968 500 N27P

Chromosomes, Drosophila athabasca, Drosophilidae, Insect genetics, Salivary glands (insects).

23078-68

A TERMINAL ASSOCIATION OF TWO PERICENTRIC INVERSIONS IN FIRST METAPHASE CELLS OF THE AUSTRALIAN GRASSHOPPER AUSTROICETES INTERIORIS (ACRIDIDAE).

R N Nankivell

Chromosoma 22(1):42-68 REF

06 Jul 1967 442.8 C46

Acrididac, Chromosomes, Cytogenetics, Insect genetics, Polymorphism.

23079-68

CYTOGENETICS. REDUCED FERTILITY IN SD MALES AND ITS BEARING ON SEGREGA-TION DISTORTION IN DROSOPHILA DROSOPHILA MELANOGASTER.

B Nicoletti G Trippa A de Marco

Rome Acad Naz Lincei Atti Rendiconti 43(5):383-392 REF

Nov 1967 507 R66

Chromosomes, Cytogenetics, Cytology, Drosophila melanogaster, Electron microscopy, Experimental insects, Fertility, Insect genetics, Morphology, Spermatozoa. Italian summary.

GENETIC HETEROGENEITY AMONG THE FOUNDERS OF LABORATORY POPULATIONS OF DROSOPHILA. I. SCUTELLAR CHAETAE.

P A Parsons S M W Hosgood Genetica 38(3):328-339 REF

1968 442.8 G282

Drosophila melanogaster, Hair, Insect genetics, Insect morphology, Variance analysis.

23081-68

BEETLE PEST PROVES TO BE EXPERIMEN-TAL ASSET.

A R Quartermain

New Zeal J Agr 115(6):20-21

Dec 1967 23 N48J

Insect genetics, Insect rearing, Tribolium castane-

ELECTRON MICROSCOPIC OBSERVATIONS ON INTERBAND FIBRILS IN DROSOPHILA SALIVARY CHROMOSOMES.

M Sorsa V Sorsa

Chromosoma 22(1):32-41 REF

06 Jul 1967 442.8 C46

Chromosomes, melanogaster, Electron microscopy, Salivary Drosophila glands (insects).

THE EFFECT OF X-IRRADIATION ON MALE MEIOSIS IN SCHISTOCERCA GREGARIA (FORSKAL). I. CHIASMA FREQUENCY RESPONSE.

M Westerman

Chromosoma 22(4):401-416 REF

16 Oct 1967 442.8 C46

Chromosomes, Insect genetics, Irradiation, Meiosis, Schistoccrca gregaria.

MEDICAL ENTOMOLOGY

23084-68

EXPERIMENTAL MOSQUITO-TRANSMISSION OF PLASMODIUM KNOWLESI TO MAN AND MONKEY.

W Chin P G Contacos W E Collins M H Jeter E

Amer J Trop Med Hyg 17(3):355-358 REF May 1968 448.8 AM326

Anopheles balabacensis, Culicidae, Human diseases, Insect vectors, Monkeys, Plasmodium knowlesi.

23085-68

RESULTS OF TESTS OF SENSITIVITY TO IN-SECTICIDES OF ANOPHELES ADULTS IN RU-MANIA. (FR.)

M Duport

World Health Organ WHO/VECT Contr 185.65, 5 P

1965 423.92 W89

Anopheles maculipennis, Chemical control (insccts), Ddt, Dieldrin, Fenthion, Insecticide resistant insects, Malathion. English summary

CONTROL OF GROUND-NESTING YELLOW JACKETS WITH TOXIC BAITSA FIVE-YEAR TESTING PROGRAM.

C D Grant C J Rogers T H Lauret J Econ Entomol 61(6):1653-1656

16 Dec 1968 421 J822

Baits, Chemical control (insects), Chlordanc, Horsemeat, Vespula pensylvanica, Vespula vulgaris.

SUMMARY OF RECENT ABSTRACTS. VI. PLAGUE.

R J Henderson

Trop Dis Bull 64(7):697-704

Jul 1967 448.8 T752

Animal diseases, Dieldrin, DDT, Epidemiology, Human diseases, Immunity, Insect vectors, Plague, Rodents. Abstracts appear in the Tropical Disease Bulletin, 1966, v.63.

23088-68

TICK-BORNE ENCEPHALITIS: A COMPARA-TIVE SEROLOGICAL SURVEY IN HUNGARY.

E Molnar T Kubaszova

Acta Microbiol 13(4):289-294

1966 448.3 AC84

Hemagglutination-inhibition test, Russian springsummer encephalitis, Serodiagnosis.

CROP PROTECTION

YIELD LOSSES DUE TO PESTS AND DISEASES IN RICE CROP.

T P Abraham R C Khanna R K Khosla

Indian Farming 18(3):24-26

Jun 1968 22 IN283

Crop losses, Crop yields, Insect pests, Plant discases, Rice.

23090-68

INSECTICIDAL SPACE SPRAYS FOR GRAIN AND FLOUR MILLS AND FLOUR STORAGE.

P G Bartlett H W Shaver

Cereal Sci Today 13(11):402-404 Nov 1968 59.8 C333

Flour, Grain, Insecticides, Pyrethrum, Research, Spraying, Storage, Tables (data).

VIRUS DISEASES AND ORCHIDS.

G M Behncken

Queensland Agr J 94(7):446-449

Jul 1968 23 Q33

Diagnosis, Orchidaceae, Plant disease control, Plant protection, Reproduction, Virus diseases (plants).

23092-68

ANNUAL REPORT OF THE FOREST INSECT AND DISEASE SURVEY.

143P MAP

1967 423.92 C162

Forest insects, Insect pests, Plant protection, Reports, Surveys, Tree diseases, Trees.

MARITIMES REGION.

R S Forbes G R Underwood G A Van Sickle Can Dep Forest Rural Develop Annu Rep 17-33 1967 423.92 C162

Forest insects, Insect pests, Plant protection, Tree diseases, Trees

23094-68

A NEW CRYPTOGAMIC DISEASE OF CORN SALAD DISCOVERED IN ROMAND SWITZER-LAND, (FR)

D Gindrat A Semecnik A Bolay

Switzerland Stat Essais Agr Lausanne Puhl 796.3-

Nov 1967 105.5 SW63

Fungus diseases (plants), Phoma valerianellae, Valerianella olitoria. Extract from Revue Horticole Suisse, vol. 40 no. 11, p.347-351.

MANITOBA-SASKATCHEWAN REGION.

W G H Ives N R Brandt B C Sutton

Can Dep Forest Rural Develop Annu Rep 76-96 MAP

1967 423.92 C162

Forest insects, Insect pests, Plant protection, Tree diseases. Trees.

23096-68

THE INTERRELATIONSHIPS OF THE CAUSAL FUNGUS OF BROWN ROOT ROT OF TO-MATOES AND POTATO ROOT EELWORM, HETERODERA ROSTOCHIENSIS WOLL.

G L James

Ann Appl Biol 61(3):503-510 REF

Jun 1968 442.8 AN72

Brown root rot (tomatoes), Fungus diseases (plants), Heterodera rostochiensis, Nematodes, Potatoes, Tomatoes.

23097-68

THE CONTRIBUTION OF CHEMISTRY TO AGRICULTURE. (FR)

G Kersaint

Chim Indus Genie Chim 100(3):237-241

Aug 1968 383 C42

Agricultural outlook, Agriculture, Chemistry, Evolution, History, Plant diseases, Soil fertility. English summary.

23098-68

HERBICIDE RESIDUES IN CALIFORNIA AGRICULTURAL SOILS.

A Lange B Fischer W Humphrey W Seyman K Bachott

Calif Agr 22(8):2-4

Aug 1968 100 C12CAG

Chemicals, Crops, Herbicide residues, Plant growth inhibitors, Research, Soils.

QUEBEC REGION.

R Martineau G B Ouellette

Can Dep Forest Rural Develop Annu Rep 34-50 MAP

1967 423.92 C162

Forest insects, Insect pests, Plant protection, Tree diseases, Trees.

23100-68

BRITISH COLUMBIA REGION.

A C Molnar J W E Harris D A Ross J H Ginns Can Dep Forest Rural Develop Annu Rep 108-124

1967 423.92 C162

Forest insects, Insect pests, Plant protection, Tree diseases, Trees.

23101-68

AIR P **AGRICULTURE** POLLUTION AND

V P Osterli L B McNelly

Calif Agr 22(9):8-9

Sep 1968 100 C12CAG

Agricultural legislation, Agricultural outlook, Air pollution, Photochemistry, Plant injuries.

THE MOST IMPORTANT PESTS OF SUGAR-CANE UNDER PHILIPPINE CONDITIONS AND THEIR CONTROL.

J D Recuenco

Sugarcane Farmers Bull 4(3):15-25

Dec 1967 65.8 SU334

Biological control (pests), Chemical control (pests), Chemicals, Research, Spraying, Sugar-

23103-68

COMBATING PESTS OF VEGETABLE CROPS.

D B Reddy V C Gupta

Indian Hort 11(2,JAN-MAR):32-36

1967 80 IN23

Chemical control (pests), Plant injuries, Research, Spraying, Vegetables.

23104-68

REACTIONS OF LODGEPOLE PINE TO AT-TACK BY DENDROCTONUS PONDEROSAE HOPKINS AND BLUE STAIN FUNGI.

R W Reid H S Whitney J A Watson Can J Bot 45(7):1115-1126 REF

Jul 1967 470 C16C

Blue stain (coniferae), Dendroetonus ponderosae, Fungus diseases (plants), Insect pests, Pinus contorta latifolia.

23105-68

ONTARIO REGION.

W L Sippell A H Rose M J Larsen

Can Dep Forest Rural Develop Annu Rep 51-75

1967 423.92 C162

Forest insects, Insect pests, Plant protection, Tree diseases, Trees.

23106-68

CARBAMATE HERBICIDES; NEW TOOLS FOR CYTOLOGICAL STUDIES.

W B Storey L S Jordan J D Mann

Calif Agr 22(8):12-13

Aug 1968 100 C12CAG

Carbamates, Chemicals, Chromosomes, Cytology, Herbicides, Laboratories, Plant protection.

HARLAND BARLEY.

C A Suneson

Calif Agr 22(8):9 Aug 1968 100 C12CAG

Agricultural outlook, Barley, Breeding, Crop yields, Harvesting, Plant protection.

EFFECTS OF AIR POLLUTANTS ON LEMONS AND NAVEL ORANGES.

C R Thompson

Calif Agr 22(9):2

Sep 1968 100 C12CAG

Agricultural outlook, Air pollution, Irrigation, Lemons, Oranges, Plant injuries, Research.

ALBERTA-NORTHWEST YUKON REGION. TERRITORIES-

H A Tripp J K Robins

Can Dep Forest Rural Develop Annu Rep 97-107 MAP

1967 423.92 C162

Forest insects, Insect pests, Plant protection, Tree diseases, Trees.

23110-68

THE USE OF GROWTH REGULATORS IN CEREAL CULTURE. TEST RESULTS 1965-1966. (FR)

Switzerland Stat Essais Agr Lausanne Publ 777:1-

Feb 1967 105.5 SW63

Chloroethyl)trimethylammonium chloride, (2-, Fertilizers, Grain, Plant regulators, Stripe rust (grain). Extract from Agriculture Romand 1967, vol. 6 no. 2, seris A page 16-22.

NEWFOUNDLAND REGION.

G.L. Warren

Can Dep Forest Rural Develop Annu Rep 9-16

1967 423.92 C162

Forest insects, Insect pests, Plant protection, Tree diseases, Trees.

23112-68

METHODS OF SOIL FUMIGATION.

T Wicks D Hodge

S Australia J Agr 71(12):418-431

Jul 1968 23 SO84

Equipment, Fumigants, Greenhouses, Plant disease resistance, Seedbeds, Soil fumigation, Soil structure, Water treatment.

DISEASES

23113-68

INDUCTION OF CROWN GALLS IN PLANTS TREATED WITH GIBBERELLIC ACID. (IT)

Accad Gioenia Sci Nat Catania Bull Sedute (SER 4)8(6/7):566-570

1965 507 C28

Agrobacterium tumefaciens, Biochemistry, Chemical control (plant diseases), Crown galls, Gibberellic acid, Injections, Tomatoes. English, French, and German summary

23114-68

THE EFFECT OF GIBBERELLIC ACID ON VEGETABLE TUMORS. (IT)

Accad Gioenia Sci Nat Catania Bull Sedute (SER 4)8(6/7):571-579 REF

1965 507 C28

Agrobacterium tumefaciens, Biochemistry, Cells, Crown galls, Gibberellic acid, Injections, Plant diseases, Tomatoes, Vegetables. English, French, and German summary.

23115-68

EFFECT OF CARBON AND NITROGEN SOURCES ON GROWTH OF HEL-MINTHOSPORIUM ATROVIRENS (AB-STRACT).

A P Benson A Singh Phytopathology 57(8):803

Aug 1967 464.8 P56 Carbon, Culture media, Fungus diseases (plants), Growth, Nitrogen, Spondyloeladium atrovirens.

23116-68

THE INACTIVATION OF VEINBANDING AND LATENT C VIRUSES IN STRAWBERRIES BY HEAT TREATMENT.

A T Bolton

Can J Plant Sci 47(4):375-380

Jul 1967 450 C16

Heat, Strawberries, Vein banding, Virus diseases (plants), Virus C.

23117-68 RESISTANCE TO SCLEROTINIA TRIFOLIORUM IN RED CLOVER COLLECTED FROM NORTH AFRICA.

D A Bond G Toynbee-Clarke

J Agr Sci &london& 69(PT 2):259-262

Oet 1967 10 J822 Fungus diseases (plants), Plant disease resistance, Red clover, Sclerotinia trifoliorum.

CORRELATION OF PHOTOPERIOD WITH TU-BERIZATION AND SUSCEPTIBILITY OF POTATO TO VERTICILLIUM ALBO-ATRUM.

L V Busch L V Edgington Can J Bot 45(5):691-693 May 1967 470 C16C

Fungus diseases (plants), Photoperiodism, Plant disease resistance, Potatoes, Verticillium alboatrum

FIELD TRIALS WITH FUNGICIDES FOR POTATOES. (POR)

C A Campacei L O C Rezende Y Ino Biologico 33(4):74-79 Apr 1967 442.8 B529

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231 20-68

Alternaria solani, Chemical control (plant diseases), Fungicides, Phytophthora infestans. Potatoes, Tin compounds, Toxicology. English ab-

23120-68

TRINUCLEATE CELLS AND OTHER NUCLEAR ABNORMALITIES IN RACE 6 OF OAT STEM RUST.

J H Craigie V D Burrows Can J Bot 45(7):1063-1075

Jul 1967 470 C16C Abnormalities, Cell nucleus, Cells, Fungus diseases (plants), Oats, Stem rust (oats).

MAIZE DWARF MOSAIC VIRUS RATINGS OF CORN HYBRIDS AND INBREDS TESTED IN ARKANSAS IN 1968.

J L Dale J O York

Ark Agr Exp Sta Mimeogr Ser 170:1-5

Nov 1968 100 AR42M

Dwarf disease (corn), Fertilizers, Mosaic (corn), Plant disease control, Research, Tables (data), Virus diseases (plants).

23122-68

EVALUATION OF METHODS OF THE ARTIFICIAL INFECTION OF WHEAT USTILAGO TRITICI (PERS.) JENS. (CZ.)

J Danko A Michalikova

Pol'nohospodarstvo 14(9):665-675 REF

1968 19.5 P752

Methodology, Plant diseases, Research, Smut (wheat), Wheat. English and Russian summary.

INCREASED HYPERSENSITIVITY INDUCED IN TOBACCO BY SYSTEMIC INFECTION BY POTATO VIRUS Y.

R E Davis A F Ross

Virology 34(3):509-520 REF

Mar 1968 448.8 V81

Hypersensitivity, Tobacco, Virus diseases (plants), Virus y (potatoes).

SOME PROPERTIES OF HYPHAE ISOLATED FROM BEAN LEAVES INFECTED WITH THE BEAN RUST FUNGUS.

H M Dekhuijzen H Singh R C Staples Boyce Thompson Inst Contrib 23(11 JUL-SEP):367-372 REF

Sep 1967 451 B69

Beans, Fungus diseases (plants), Plant biochemistry, Plant physiology, Rust (beans), Uromyces.

23125-68

THE IDENTITY OF A SEED-BORNE MOSAIC VIRUS OF CHENOPODIUM AMARANTICOLOR AND C. QUINOA.

HF Dias HE Waterworth

Can J Bot 45(8):1285-1295 REF

Aug 1967 470 C16C

Chenopodium amaranticolor, Chenopodium quinoa, Mosaic (chenopodium), Seed-borne plant diseases, Virus diseases (plants).

23126-68

FUNGAL COLONIZATION OF PISUM LEAVES. C H Dickinson

Can J Bot 45(6):915-927 REF

Jun 1967 470 C16C

Fungus diseases (plants), Peas, Plant physiology.

23127-68

THE SUPPRESSION OF ACTINOMYCETES BY PCNB IN CULTURE MEDIA USED FOR ENU-MERATING SOIL BACTERIA. (ABSTRACT).

J D Farley

Phytopathology 57(8):811

Aug 1967 464.8 P56

Actinomycetes, Culture media. Pentachloronitrobenzene, Soil bacteria.

CHENOPODIUM AMARANTICOLOR NUTRITION AFFECTS CUCUMBER MOSAIC VIRUS

R E Foster

Phytopathology 57(8):838-840 REF

Aug 1967 464.8 P56

Calcium, Chenopodium amaranticolor, Cucumbers, Magnesium, Mosaic, Nitrogen, Phosphorus, Plant disease resistance, Plant nutrition, Potassium, Virus diseases (plants).

Abstract: Higher infection rates were obtained with high P, low K, high Ca, and high Mg than with the opposite concentration of each element. There was no difference between high Ca and the control. Susceptibility was not correlated with growth rate.

23129-68

TRABECULAE IN THE GRAPEVINE INFECTED WITH LEAFROLL VIRUS.

L L Hoefert E M Gifford

Amer J Bot 54(2):257-261 REF

Feb 1967 450 AM36

Fanleaf (grapes), Histochemistry, Leaf roll (grapes), Microscopy, Mosaic (tobacco), Plant physiology, Virus diseases (plants).

23130-68

A SIMPLE METHOD FOR MULTIPLE INOCU-LATIONS OF LEAVES WITH SEVERAL RACES OF RUST. (ABSTRACT).

M A Jabbar Miah W E Sackston

Phytopathology 57(8):822

Aug 1967 464.8 P56

Fungus diseases (plants), Leaves, Rust, Sunflowers, Uredinales.

23131-68

REPRODUCTIVE POTENTIALS OF RACES 15B AND 56 OF WHEAT STEM RUST.

K Katsuya G J Green

Can J Bot 45(7):1077-1091

Jul 1967 470 C16C

Fungus diseases (plants), Reproduction, Stem rust (wheat), Wheat.

23132-68

NATURAL OCCURRENCE OF TOBACCO RINGSPOT VIRUS IN PELARGONIUM IN ON-TARIO.

W G Kemp

Can J Plant Sci 47(3):295-300 REF

May 1967 450 C16

Geranium, Ring spot (tobacco), Serological tests, Tobacco, Virus diseases (plants).

THE EFFECT OF DARKENING ON THE SUSCEPTIBILITY OF FRENCH BEAN TO TOBACCO NECROSIS VIRUS.

W C Kimmins

Can J Bot 45(5):543-553 REF

May 1967 470 C16C

Beans, Lighting, Necrosis, Plant disease resistance, Tobacco, Virus diseases (plants).

BIOLOGICAL CONTROL **FOREST** PATHOGENS. (SE) M Krstic

Narodni Sumar 22(516):237-246 REF

1968 99.8 N16

Biological control (pests), Fomes annosus, Forest management, Pinus, Seedlings, Tree diseases. English summary.

23135-68

INCREASED RESISTANCE TO TOBACCO MOSAIC VIRUS IN GAMMA IRRADIATED TOBACCO LEAVES.

C W Kuhn H J Teas Radiat Bot 8(4):317-323 REF

Aug 1968 450 R11

Gamma rays, Injections, Irradiation, Leaves, Mosaic (tobacco), Research, Tobacco. French and german summary

23136-68

A NEW LOOK AT BROWN ROOT ROT OF TO-MATOES.

F T Last

New Zeal J Agr 114(2):54-55,57

Feb 1967 23 N48J

Brown root rot (tomatoes), Colletotrichum, Fungus diseases (plants), Plant disease resistance, Plant grafting, Soil sterilization, Tomatoes.

Brown root rot of tomatoes is described from all over the world. Soil sterilants, resistant plant breeding and grafting are discussed as controls.

BREEDING BLIGHT RESISTANT PEARS FOR SOUTHWESTERN ONTARIO.

R E C Layne

Canada Agr 13(3,SUMMER):28-29

1968 7 R31

Blight (pears), Breeding, Environment, Erwinia amylovora, Pears, Plant disease control, Plant disease resistance.

23138-68

CONTROL OF CUCUMBER ANTHRACNOSE BY DIGITONIN, A STEROLCOMPLEXING CHEMICAL. (ABSTRACT).

C Leben

Phytopathology 57(8):818

Aug 1967 464.8 P56

Anthracnose, Colletotrichum lagenarium, Cucumbers, Digitonin, Fungus diseases (plants), Sterols.

23139-68

ROOT ROT TOLERANCE IN NEW ALFALFA STRAINS NOW AVAILABLE TO PLANT BREEDERS.

W F Lehman D C Erwin E H Stanford

Calif Agr 21(4):6

Apr 1967 100 C12CAG

Alfalfa, Fungus diseases (plants), Plant breeding, Plant disease resistance, Plant hardiness, Root rot (alfalfa).

23140-68

TERATOMA INDUCTION IN DATURA METE-LOIDES AND D. STRAMONIUM BY CROWN GALL BACTERIUM (AGROBACTERIUM TUMEFACIENS). (ABSTRACT).

J T Maier P K Chen

Phytopathology 57(8):820

Aug 1967 464.8 P56

Agrobacterium tumefaciens, Bacterial diseases (plants), Crown galls, Datura, Datura meteloides, Datura stramonium, Indoleacetic acid, Plant biochemistry.

23141-68

THE TUBERS, SAPOGENINS, AND VIRUS RESISTANCE OF DIOSCOREA SPECIES HYBRIDS.

F W Martin N E Delfel

Amer J Bot 54(9):1158-1162

Oct 1967 450 AM36

Plant disease resistance, Plant genetics, Sapogenins, Virus diseases (plants), Yams.

23142-68

DETECTING SEED-BORNE DISEASES. D Matthews

New Zeal J Agr 115(3):88-89,91,93

Sep 1967 23 N48J Bacteria, Chemical control (plant diseases), Fungi,

Nematodes, Seed dissemination, Seed-borne plant diseases, Viruses.

Seed-borne, fungus, bacteria, virus and nematode diseases of plants, and their detection by field inspection are discussed.

INFLUENCE OF TEMPERATURE ON THE LIBERATION, MOTILITY, AND GERMINATION OF ZOOSPORES OF PYTHIUM APHANIDERMATUM AND PYTHIUM NIDERMATUM AND MYRIOTYLUM. (ABSTRACT).

S M McCarter R H Littrell

Phytopathology 57(8):821 Aug 1967 464.8 P56

Culture media, Fungus diseases (plants), Plant physiology, Pythium aphanidermatum, Pythium myriotylum, Rye, Spore germination, Temperature, Tomatoes.

23144-68

SOIL FUMIGATION FOR CONTROL OF VER-TICILLIUM WILT OF EGGPLANT.

C D McKeen W B Mountain Can J Plant Sci 47(1):1-10 REF

Jan 1967 450 C16

Chemical control (nematodes), Chemical control (plant diseases), Eggplant, Fungicides, Fungus diseases (plants), Nematocides, Pratylenchus, Soil fumigation, Telone, Verticillium dahliae.

THE ERYSIPHE CICHORACEARUM CONIDI-UM. (ABSTRACT).

W E Mcykeen N Mitchell R Smith Phytopathology 57(8):821

Aug 1967 464.8 P56

Erysiphe cichoracearum, Fungus diseases (plants), Plant histology.

23146-68

THE IMPROVEMENT OF THE POTATO WITH REGARD TO THE PRINCIPAL VIRUSES RESPONSIBLE FOR ITS DEGENERATION IN BELGIUM. (FR)

V Melard

Parasitica 24(2):48-54

1968 464.8 P21

Plant disease control, Plant disease resistance, Plant disease transmission, Potatoes, Virus diseases (plants), Virus s (potatoes), Virus x (potatoes), Virus y (potatoes).

23147-68

OVERWINTERING OF SPHAEROTHECA MORS-UVAE ON BLACK CURRANT AND GOOSEBERRY.

PR Merriman BEJ Wheeler Ann Appl Biol 61(3):387-397 REF Jun 1968 442.8 AN72

Currants, Fungus diseases (plants), Gooseberries, Sphaerotheca mors-uvae.

CERATOCYSTIS FAGACEARUM INDUCED TO FORM PRESSURE CUSHIONS IN VITRO. (AB-STRACT).

W L Mesner

Phytopathology 57(8):822

Aug 1967 464.8 P56

Ceratocystis fagacearum, Fungus diseases (plants), Quercus rubra, Wilt (quercus).

SPORE DISPERSAL AND NATURAL INFECTION IN THE OAT LOOSE SMUT (USTILAGO AVENAE).

JT Mills

Brit Mycol Soc Trans 50(PT 3):403-412 REF Sep 1967 451 B76

Air-borne plant diseases, Epidemiology, Loose smut (oats), Plant disease transmission, Spores, Ustilago avenae.

OLPIDIUM BRASSICAE: ELECTROPHORETIC MOBILITY OF ZOOSPORES ASSOCIATED WITH THEIR ABILITY TO TRANSMIT TOBACCO NECROSIS VIRUS.

W P Mowat

Virology 34(3):565-568 REF

Mar 1968 448.8 V81

Electrophoresis, Necrosis, Olpidium brassicae, Tobacco, Virus diseases (plants), Zoospores.

CONTROL OF STRAWBERRY POWDERY MIL-DEW.

A O Paulus V Voth F Shibuya H J Bowen A H Holland T M Little

Calif Agr 21(2):15-16

Feb 1967 100 C12CAG

Fungicides, Fungus diseases (plants), Plant protection, Powdery mildew (strawberries), Strawberries.

FUNGICIDES FOR TOBACCO BLUE MOULD CONTROL.

W Pont R G O'Brien

Aust Tob Growers Bull (11):18-19

1967 69.8 AU72

Downy mildew (tobacco), Fungicides, Fungus discases (plants), Plant protection, Tobacco.

THE INCIDENCE OF VIRUS DISEASES IN EN-GLISH SWEET CHERRY ORCHARDS AND THEIR EFFECT ON YIELD.

A F Posnette R Cropley A A J Swait Ann Appl Biol 61(3):351-360 REF

Jun 1968 442.8 AN72

Crop yields, Mazzard cherries, Virus diseases (plants).

23154-68

REDUCED WINTER SURVIVAL AND YIELD OF CLOVER INFECTED WITH CLOVER YELLOW MOSAIC VIRUS.

M J Pratt

Can J Plant Sci 47(3):289-294

May 1967 450 C16

Clover, Virus diseases (plants), Yellow mosaic (clover).

23155-68

ARMILLARIA MELLEA, THE OAK ROOT FUNGUS.

R D Raabe A R Weinhold W D Wilbur Calif Agr 21(4):12-14

Apr 1967 100 C12CAG

Armillaria mellea, Fungus diseases (plants), Quercus, Roots.

23156-68

VIRUS-HOST INTERACTIONS, WITH EMPHA-**CERTAIN** ON CYTOPATHIC PHENOMENA.

H W J Ragetli

Can J Bot 45(8):1221-1234 REF

Aug 1967 470 C16C

Cytology, Electron microscopes, Phosphatases, Physiology, Virus diseases (plants).

COMPATIBILITY STUDIES ON BACILLUS THURINGIENSIS BERLINAR WITH CHLORINATED HYDROCARBONS.

M R Rajasekharan R N Pillai N R Rao E Dharmaraju

Andlira Agr J 14(5):167-168

1967 34.2 AN4

Bacillus thuringiensis, Benzene hexachloride, Carbaryl, DDT, Endosulfan, Endrin, Isobenzan, Toxicology.

23158-68

HOST REACTIONS TO THREE STRAINS OF ASTER YELLOWS VIRUS FROM MANITOBA.

H P Richardson

Can J Bot 45(5):657-664 REF

May 1967 470 C16C

Aster yellows (celery), Celery, Parasitism, Virus diseases (plants).

SOME EFFECTS OF INFECTION WITH YEL-LOWING VIRUSES AND OF FUNGICIDE AP-PLICATIONS ON BOLTING IN SUGAR BEET. G E Russell

J Agr Sci &london & 68(PT 3):405-409 REF Jun 1967 10 J822

Alternaria, Captan, Chemical control (plant diseases), Erysiphe, Fungicides, Sugar beets, Virus diseases (plants), Yellows (sugar beets).

23160-68

A NEW POLYPHENOLOXIDASE TEST FOR DISTINGUISHING BETWEEN WOOD-ROTTING FUNGI.

L Schanel

Biol Plant 9(1):41-48 REF

Jan 1967 450 B52

Catalogs, Diagnosis, Fungi, Phenolases, Plant biochemistry, Wood destroying fungi.

23161-68

CELL BIOLOGICAL ASPECTS OF HOST-PARASITE RELATIONS OF OBLIGATE FUN-GAL PARASITES.

M Shaw

Can J Bot 45(8):1205-1220 REF

Aug 1967 470 C16C

Biology, Cells, Fungi, Fungus diseases (plants),

23162-68

THE SPREAD OF CEREAL RUSTS FROM SMALL FOCI OF INFECTION: DISEASE GRADIENT STUDIES ON PUCCINIA GRAMINIS.

R S Smith

Brit Mycol Soc Trans 50(PT 3):437-448 REF

Sep 1967 451 B76

Air-borne plant diseases, Fungus diseases (plants), Plant disease transmission, Puccinia graminis, Rust (grain), Spores, Wheat.

MORPHOLOGY AND PATHOGENICITY OF CYLINDROCLADIUM FLORIDANUM AND C. SCOPARIUM. (ABSTRACT).

E K Sobers

Pluytopathology 57(8):832

Aug 1967 464.8 P56

Cylindrocladium floridanum, Cylindrocladium scoparium, Eucalyptus, Fungus diseases (plants), Liriodendron tulipifera, Lupine, Plant morphology, Pteridophyta, Rhododendron, Shrubs.

LEAFHOPPER TRANSMISSION OF A VIRUS DISEASE OF RICE LOCALLY KNOWN AS PADI JANTAN IN KRIAN, MALAYSIA.

L G Soon G K Guan

Malaysian Agr J 46(4):435-450 MAP REF

Jul 1968 22.5 F312

Insect vectors, Nephotettix, Plant disease transmission, Rice, Virus diseases (plants), Zoogeography.

VIRUS-FREE POTATOES: A REALITY.

R Stace-Smith F C Mellor

Canada Agr 13(3,SUMMER):2,4,6

1968 7 R31

Crop losses, Plant disease control, Potatoes, Thermotherapy, Virus diseases (plants), Virus x (potatoes). Text also in French.

BIS(P-CHLOROPHENYL)-3-PYRIDINEMETHANOL (EL-241): A NEW FUN-GICIDE FOR THE CONTROL OF POWDERY MILDEW. (ABSTRACT).

P L Thayer D H Ford H R Hall Phytopathology 57(8):833 Aug 1967 464.8 P56

Apples, Bis(p-chlorophenyl)-3-pyridenemethanol, Cantaloupes, Cucumbers, Erysiphe cichoracearum, Fungicides, Fungus diseases (plants), Grapes, Podosphaera leucotricha, Powdery mildew (plants), Rosa, Sphaerotheca pannosa, Squash, Uncinula necator.

DISEASES OF STONE FRUITS—ARMILLARIA ROOT ROT AND APRICOT GUMMOSIS.

M Thomas

S Australia J Agr 70(10):362-365 May 1967 23 SO84

Armillaria mellea, Chemical control (plant diseases), Cultural control (plant diseases), Fruit, Fungus diseases (plants), Gummosis (apricots). Root rot.

The chemical and cultural control of two stone fruit fungus diseases, Armillaria root rot and apricot gummosis in Australia are discussed.

DISEASES OF STONE FRUITS-CURL LEAF, SHOT-HOLE AND PRUNE RUST.

M Thomas

S Australia J Agr 70(7):224-231

CROP PROTECTION

23169-68

Feb 1967 23 SO84

Bacterial diseases (plants), Catalogs, Diagnosis, Fruit, Fungus diseases (plants).

SOIL-BORNE **VIRUS** DISEASES OF POTATOES.

J M Todd

Seed Potato 8(1,SPRING):164-170 REF

1968 75.8 SE3

Diagnosis, Geography, Plant disease control, Plant protection, Potatoes, Soil-borne plant diseases, Virus diseases (plants).

LABORATORY EVALUATION OF FUNGICIDES FOR THE CONTROL OF TWO FUNGI ASSOCIATED WITH SPEAR ROT IN OIL PALMS.

P D Turner

Malaysian Agr J 46(4):451-457

Jul 1968 22.5 F312

African oilpalm, Fungicides, Fungus diseases (plants), Fusarium oxysporum, Fusarium solani.

EVALUATION OF FOLIAR SPRAYS FOR CON-TROL OF WEATHER FLECK ON FLUE-CURED TOBACCO.

E K Walker

Can J Plant Sci 47(1):99-108 REF

Jan 1967 450 C16

Chemical control (plant diseases), Dichlone, Fluecured tobacco, Phenothiazine, Spraying, Tobacco, Weather fleck (tobacco).

23172-68

ALPHA-CYCLOHEXYL-ALPHA-PHENYL-3-PYRIDINEMETHANOL (EL-331): A NEW FUN-GICIDE FOR THE CONTROL OF CERTAIN TURF PATHOGENS. (ABSTRACT).

J W Whaley J R Miller W L Wright

Phytopathology 57(8):836

Aug 1967 464.8 P56

Brown patch (grasses), Cyclohexyl-alpha-phenyl-3-pyridinemethanol hydrochloride, d, Fungicides, Fungus diseases (plants), Grasses, Helminthosporium, Leaf spot, Poa.

DELAYED ACQUISITION OF VIRUS INFECTIVITY. (ABSTRACT).

C E Yarwood

Phytopathology 57(8):837

Aug 1967 464.8 P56

Cowpeas, Mosaic (cowpeas), Mosaic (sugar bects), Plant disease resistance, Sugar beets, Virus diseases (plants). Cucumber mosaic virus used in transmission from sugar beets to cowpeas.

ARTHROPODS

23174-68

FACTS ABOUT FRUIT FLY. S Australia J Agr 70(8):299

Mar 1967 23 SO84

Fruit, Insect control, Insect traps, Inspection products), Plant quarantine, (agricultural Tephritidae.

The effectiveness of fruit fly control in South Australia is attributed to the rapid response to initial outbreaks, border checks and use of insect traps.

23175-68

COMPARISON BETWEEN HEPTACHLOR POWDER AND OTHER CHLORINATED HYDROCARBONS TO COMBAT THE ANTS ATTA SEXDENS RUBROPILOSA FOREL 1908 AND ATTA LAEVIGATA (F. SMITH, 1858). (POR)

E Amante

Biologico 33(4):80-84 REF Apr 1967 442.8 B529

Aldrin, Atta, Chemical control (insects), Chlordane, Heptachlor, Pastures. English abstract

23176-68

AN ANT ATTA CAPIGUARA, PLAGUE OF PASTURES. (POR)

E Amante

Biologico 33(6):113-120

Jun 1967 442.8 B529

Atta, Chemical control (insects), Insect ecology, Pastures, Zoogeography.

23177-68

OVERSEAS EXPERTS ARE WORKING AT LINCOLN, NEW ZEALAND, ON INSECTICIDE RESISTANCE IN MITES.

Anonymous

Fruit World Market Grower 69(4):44

Apr 1968 80 F948

Insect pests, Insecticide resistant insects, Mites, Plant protection. From The Orchardist of New

23178-68

EFFECTS OF THREE SPECIES OF APHIDS ON BARLEY, WHEAT OR OATS AT VARIOUS STAGES OF PLANT GROWTH.

J U Apablaza A G Robinson

Can J Plant Sci 47(4):367-373

Jul 1967 450 C16

Barley, Macrosiphum avenae, Oats, Plant physiology, Rhopalosiphum maidis, Schizaphis graminum, Wheat.

23179-68

WOODPECKER FEEDING ON ENGELMANN SPRUCE BEETLE IN WINDTHROWN TREES. P H Baldwin

U S Forest Serv Res Notes RM 105:1-4

1968 A99.9 F7632US

Dendroctonus obesus, Equipment, Feeding, Predatory birds, Research, Trees, Woodpeckers.

THE DAMAGING OCCURRENCE OF ARADUS CINNAMOMEOUS PANZ. IN SWEDEN. (GE)

L Brammanis

Anz Schadlingskunde 41(2):17-19 REF

Feb 1968 421 AN9

Aerial spraying, Aradidae, Aradus cinnamomeus, Benzene hexachloride, Biochemistry, Chemical control (insects), DDT, Insect morphology, Insect pests, Pinus sylvestris.

THE EFFECT OF APHIDS ON SEED AND WARE CROPS.

P W Carden

Seed Potato 7(2,SUMMER):47,48-67

1967 75.8 SE3

Aphididae, Chemical control (insects), Crop yields, Insecticides, Potatoes, Seed treatment, Spraying.

EFFECT OF APPLICATION RATES OF DISUL-FOTON AND PHORATE, AND OF IRRIGATION ON APHID CONTROL AND RESIDUES IN CANNING PEAS.

D Chisholm H B Specht

Can J Plant Sci 47(2):175-180 REF

Mar 1967 450 C16

Acyrthosiphon pisum, Chemical control (insects), Disulfoton, Insecticide residues, Irrigation, Peas, Phorate.

23183-68

A BACTERIAL INSECTICIDE.

Aust Tob Growers Bull (11):11-13 1967 69.8 AU72

Bacteria, Insect pests, Insecticides, Plant protection, Tobacco.

TWO-SPOTTED SPIDER MITE AND HOP APHID CONTROL ON CLUSTER HOPS WITH ACARICIDES.

W W Cone

J Econ Entomol 61(6):1685-1689

16 Dec 1968 421 J822

Acaricides, Chemical control (insects), Hops, Phorodon humuli, Tetranychus urticae.

CITRUS FLAT MITE INJURY PATTERNS ON SOME CITRUS VARIETIES.

H S Elmer

J Econ Entornol 61(6):1689-1692

16 Dec 1968 421 J822

Brevipalpus lewisi, Citrus, Feeding, Fruit, Plant injuries.

A REPRODUCTIVE-DIAPAUSE CONTROL PROGRAM FOR THE BOLL WEEVIL IN THE PRESIDIO, TEXAS-OJINAGA, CHIHUAHUA AREA, 1965-67.

R E Fye C L Cole F C Tingle A Stoner D F Martin L F Curl

J Econ Entomol 61(6):1660-1666 REF MAP 16 Dec 1968 421 J822

Anthonomus grandis, Azinphosmethyl, Chemical control (insects), Cotton, Malathion, Spraying.

THE DECAY OF CITRUS FRUITS CAUSED BY FUSARIUM LATERITIUM NEES (GIBBEREL-LA BACCATA (WALLR.) SACC.). (IT)

P Gambogi

Pisa Univ Ist Patol Veg Microbiol Agr Tec (mem) (499,MAR-APR):81-83

1967 464.9 P67

Citrus, Color, Diagnosis, Fusarium lateritium, Parasitic insects, Tree diseases. English summary

RESIDUAL ACTIVITY OF CHLORINATED HYDROCARBON INSECTICIDES IN PER-MANENT TURF FOR EUROPEAN CHAFER CONTROL.

F L Gambrell H Tashiro G L Mack

J Econ Entomol 61(6):1508-1511

16 Dec 1968 421 J822

Aldrin, Amphimallon majalis, Chemical control (pests), Chlordane, Chlorinated hydrocarbons, Dieldrin, DDT, Grubs, Heptachlor, Insecticides, Lindane, Soil sanitation, Turf.

23189-68

STUDIES ON THE ATTACK BEHAVIOR OF THE SOUTHERN PINE BEETLE. I. THE SPREADING AND COLLAPSE OF OUT-BREAKS.

R 1 Gara

Boyce Thompson Inst Contrib 23(10,APR-JUN):349-354

Jun 1967 451 B69

Attractants, Dendroctonus frontalis, Insect outbreaks, Pinus taeda.

EFFECTS OF PHLOEM TEMPERATURE AND MOISTURE CONTENT ON DEVELOPMENT OF THE SOUTHERN PINE BEETLE.

G C Gaumer R I Gara

Boyce Thompson Inst Contrib 23(11 JUL-SEP):373-377 REF

Sep 1967 451 B69

Dendroctonus frontalis, Humidity, Insect rearing, Phloem, Pinus taeda, Temperature.

EFFECTS OF PHLOEM TEMPERATURE AND MOISTURE CONTENT ON DEVELOPMENT OF THE SOUTHERN PINE BEETLE.

G C Gaumer R I Eara

Boyce Thompson Inst Contrib 23(11 JUL-SEP):373-377 REF

Sep 1967 451 B69

Dendroctonus frontalis, Humidity, Insect physiology, Phloem, Pinus taeda, Plant physiology, Temperature.

23192-68

THE EFFECTIVNESS OF THE POLYHEDROSIS VIRUS FOR CONTROL OF THE CABBAGE LOOPER, TRICHOPLUSIA NI.

L W Getzin

J Econ Entomol 55(4):442-445

Aug 1962 421 J822

Biological control (insects), Insect control, Insect diseases, Larvae, Polyhedroses, Trichoplusia ni, Viruses.

23193-68

EXPERIENCES WITH THE USE OF THE PHOSPHORUS-HYDROGEN PREPARATION PHOSPHORUS-HYDROGEN PREP PHOSTOXIN IN YUGOSLAVIA, (GE)

BK Ilic

Anz Schadlingskunde 49(7):97-103 REF

Jul 1967 421 AN9

Biochemistry, Chemical control (insects), Dosage, Experimental insects, Fumigation, Grain, Insect pests, Mortality, Phosphine, Phosphorus compounds, Storage injuries. English summary.

RESPONSES OF THE PACIFIC SPIDER MITE AND THE CITRUS RED MITE TO LABORATORY FIELD APPLICATIONS OF TRICYCLOHEXYL TIN HYDROXIDE.

L R Jeppson M J Jesser J O Complin J Econ Entomol 61(6):1502-1505 16 Dec 1968 421 J822

Chemical control (insects), Lemons, Panonychus citri, Plant injuries, Spraying, Tetranychus pacificus, Tricyclohexyltin hydroxide.

23195-68

FIELD TESTS OF SYSTEMIC INSECTICIDES FOR THE CONTROL OF SITKA-SPRUCE WEEVIL.

N E Johnson J G Zingg

J Econ Entomol 61(6):1650-1652

16 Dec 1968 421 J822

Chemical control (insects), Demeton, Hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate, 3 i, Organophosphorus compounds, Ox-ydemetonmethyl, Picea sitchensis, Pissodes sitchensis, Schradan.

23196-68

FIELD TESTING CANDIDATE INSECTICIDES ON RADISH, CABBAGE, AND CAULIFLOWER FOR CONTROL OF THE CABBAGE MAGGOT IN NEW YORK STATE.

F D Judge H B Rinick F L McEwen J Econ Entomol 61(6):1572-1577 REF

12 Dec 1968 421 J822

Cabbage, Cauliflower, Chemical control (insects), Hylemya brassicae, Insecticides, Radishes, Soil sanitation

23197-68

MATERIALS ON DESTRUCTIVE INSECTS OF PINUS PITHIUSA STEV. IN PITZUNDA (GEORGIAN SOVIET SOCIALIST REPUBLIC). (GE) D N Kobachidze A L Muchaschawria Sch M

Ssupataschwili Anz Schadlingskunde 40(12):182-184

Dec 1967 421 AN9

Insect ecology, Insect names, Insect pests, Pinus.

THE IMPACT OF INSECTS ON SECOND-YEAR CONE CROPS IN RED PINE SEED-PRODUC-TION AREAS.

W J Mattson

US Forest Serv Res Note N C 53:1-2

1968 ASD11.A33

Cones, Forest seed production, Insect control, Pinus resinosa, Plant injuries, Surveys.

GRASSGRUB PROBLEM AWAITS SOLUTION. G McLauchlan

New Zeal J Agr 115(4):17-19 Oct 1967 23 N48J

Chemical control (insects), DDT, Pasture management, Plant pest control, Scarabaeidae.

Chemical, biological, cultural and management control of grass grubs are discussed.

WHITE-PINE WEEVIL CONTROL IN PLANTA-TIONS WITH HEPTACHLOR GRANULES.

J O Nichols

J Econ Entomol 61(6):1543-1546 REF

16 Dec 1968 421 J822

Chemical control (insects), Heptachlor, Pinus strobus, Pissodes strobi.

FIELD TESTS WITH IN-FURROW AND SEED TREATMENTS OF SYSTEMIC INSECTICIDES ON COTTON AT STONEVILLE, MISSISSIPPI.

T R Pfrimmer

J Econ Entornol 61(6)-1607-1612

16 Dec 1968 421 J822

Anthonomus grandis, Beneficial insects, Chemical control (insects), Cotton, Crop yields, Frankliniella fusca, Heliothis virescens, Heliothis zea, Insecticides, Seed treatment, Soil sanitation, Stand densi-

23202-68

CONTROL OF PINYON NEEDLE SCALE WITH DIMETHOATE.

D A Pierce W F McCambridge G E Moore J Econ Entomol 61(6):1697-1698

16 Dec 1968 421 J822

Chemical control (insects), Dimethoate, Emulsions, Insect eggs, Matsucoccus acalyptus, Pinus edulis, Spraying, Surface-active agents, Time.

YET ANOTHER APHID TO RAVAGE OUR GRAIN CROPS.

S G Rajasingh

Indian Farming 18(3):20-21

Jun 1968 22 1N283

Aphididae, Grain, Hysteroneura setariae, Insect pests.

23204-68

THE INFLUENCE OF INFESTATION BY EARLY SHOOT BORER CHILOTRAEA INFUSCATELLUS SN. ON SHOOT PRODUCTION AND YIELD OF SUGARCANE.

C S Rao

Andhra Agr J 14(5):131-142 REF

1967 34.2 AN4

Benzene hexachloride, Chemical control (insects), DDT, Insect control, Plant physiology, Pyralidae, Sugarcane.

23205-68

STUDIES ON THE SOWING DATE OF COTTON IN THE SUDAN GEZIRA. II. THE RELATION-SHIP BETWEEN SOWING DATE OF COTTON AND THE INCIDENCE OF INSECT PESTS.

L R Schultz J E Jackson R C Faulkner J Agr Sci &london& 69(PT 3):317-327

Dec 1967 10 J822

Bemisia tabaci, Chemical control (insects), Chrysomelidae, Cotton, Cultural control (insects), Homoptera, Seed planting, Time.

BIONOMICS AND DISTRIBUTION OF THE POPPY-HEAD GALL MIDGE CLINODIPLOSIS PAPAVERIS (KJELL.) (DIPTERA, (KJELL.) ITONIDIDAE). (GE

V Skuhravy M Skuhrava

Acta Ent Bohemoslov 59(3):221-233 MAP 1962 420 C33

Clinodiplosis papaveris, Insect ecology, Insect pests, Papaver dubium, Papaver orientale, Papaver rhoeas, Papaver somniferum, Plant injuries, Zoogeography.

EFFECTS OF BALSAM WOOLLY APHID (ADELGES PICEAE) INFESTATION ON CAMBIAL ACTIVITY IN ABIES GRANDIS.

F H Smith

Amer J Bot 54(10,NOV-DEC):1215-1223 REF Dec 1967 450 AM36

Abies grandis, Adelges piceae, Cambium, Plant physiology.

A VIRUS DISEASE OF RHUBARB IN BRITISH COLUMBIA.

R Stace-Smith G G Jacoli Can J Bot 45(7):1059-1061 Jul 1967 470 C16C

Mosaic (turnips), Myzus persicae, Rhubarb, Virus diseases (plants).

FIELD TESTS OF ACARICIDES AGAINST PACIFIC SPIDER MITE ON GRAPEVINES.

E M Stafford

J Econ Entomol 61(6):1641-1645 REF

16 Dec 1968 421 J822

Acaricides, Chemical control (insects), Grape vineyards, Organophosphorus Tetranychus pacificus. compounds.

23210-68

PESTS AND DISEASES THREATENING OUR CHERRIES.

J N Steed

S Australia J Agr 70(6):202-208

Jan 1967 23 SO84

Chemical control (pests), Cherries, DDT, Myzus cerasi, Plant diseases, Slugs, Tetranychus urticae.

POPULATION DENSITIES OF THE EUROPEAN RED MITE AND THE PREDACEOUS MITE TYPHLODROMUS (A.) FALLACIS ON APPLE FOLIAGE FOLLOWING TREATMENT WITH VARIOUS INSECTICIDES.

F C Swift

J Econ Entomol 61(6):1489-1491

16 Dec 1968 421 J822

Apples, Insecticides, Integrated control (insects), Panonychus ulmi, Population, Predaceous insects, Typhlodromus fallacis.

STUDIES ON THE ATTACK BEHAVIOR OF THE SOUTHERN PINE BEETLE. IV. IN-FLUENCE OF HOST CONDITION ON AGGREGATION PATTERN.

J P Vite R G Crozier

Boyce Thompson Inst Contrib 24(4,JUL-SEP):87-

Dendroctonus frontalis, Food habits, Insect outbreaks, Pinus taeda, Plant physiology.

EUROPEAN PINE SAWFLY CONTROL WITH AIRCRAFT APPLICATION OF CONCENTRATE INSECTICIDAL SPRAYS.

W E Wallner

J Econ Entomol 61(6):1666-1667

16 Dec 1968 421 J822

Aerial spraying, Chemical control (insects), Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate, O,O i, Isopropoxyphenyl methylcarbamate, o-, Malathion, Neodiprion sertifer, Oxydemetonmethyl, Pinus sylvestris.

THIMET (PHORATE) APPLICATIONS.

R G Wasser

Tree Planters' Notes 19(4,WINTER):4-6 1969 1.962 C5T71

Insect pests, Insecticides, Pesticide application, Phorate, Trees.

NEMATODES

23215-68

A REVISION OF THE GENUS ROTYLENCHU-LUS LINFORD AND OLIVEIRA, 1944 (NE-MATODA: TYLENCHIDAE).

D R Dasgupta D J Raski S A Sher Helminthol Soc Wash Proc 35(2):169-192 REF

Jul 1968 436.9 H36 Parasitism, Plant nematodes, Rotylenchulus, Taxonomy, Tylenchidae.

23216-68

EXTRACTION, STANDARDIZATION AND ASSESSMENT OF THE VOLATILITY OF THE SEX ATTRACTANTS OF HETERODERA ROSTOCHIENSIS WOLL. AND H. SCHACHTII SCHM.

D N Greet C D Green M E Poulton

CROP PROTECTION

23217-68

Ann Appl Biol 61(3):511-519

Jun 1968 442.8 AN72

Heterodera rostochiensis, Heterodera schaehtii, Nematodes, Plant extracts, Potatoes, Sex attrae-tants, Sugar beets, Volatile substanees.

RUBY...A NEWLY-RELEASED, NEMATODE-RESISTANT SWEET POTATO VARIETY.

G C Hanna R W Scheuerman G A Jr. Marlowe Calif Agr 21(4):5

Apr 1967 100 C12CAG

Nematodes, Plant nematode resistance, Sweetpotatoes.

23218-68

THE FEASIBILITY OF USING PLANT PATHOGENIC NEMATODES PRODUCED IN MONOXENIC CULTURE FOR NEMATOCIDE SCREENING. (ABSTRACT).

W F Mai B Thistlethwayte Phytopathology 57(8):820

Aug 1967 464.8 P56

Alfalfa, Culture media, Ditylenehus dipsaci, Nematocides, Onions, Plant nematodes, Pratylenchus penetrans.

PARASITIC DEVELOPMENT OF FILIP-JEVIMERMIS LEIPSANDRA POINAR AND WELCH (MERMITHIDAE) IN DIABROTICA U. UNDECIMPUNCTATA (CHRYSOMELIDAE).

G O Jr. Poinar

Helminthol Soc Wash Proc 35(2):161-169 REF Jul 1968 436.9 H36

Chrysomelidae, Corn, Diabrotiea undecimpunctata, Filipjevimermis leipsandra, Mermithidae, Nematodes, Parasitism.

23220-68

GROWTH SUBSTANCES IN ROOTS OF TO-MATO (LYCOPERSICON ESCULENTUM MILL.) INFECTED WITH ROOT-KNOT NE-MATODES (MELOIDOGYNE SPP.).

K G H Setty A W Wheeler

Ann Appl Biol 61(3):495-501 REF

Jun 1968 442.8 AN72

Biochemistry, Meloidogyne, Nematodes, Plant regulators, Roots, Tomatoes.

2322 I-68

REVISION OF THE GENUS RADOPHOLUS THORNE, TYLENCHOIDEA). 1949 (NEMATODA:

S A Sher

Helminthol Soc Wash Proc 35(2):219-237 REF Jul 1968 436.9 H36

Nomenclature, Parasitism, Plant nematodes, Radopholus, Taxonomy.

FIVE NEW SPECIES OF BELONDIROIDEA (NEMATODA) FROM SIBSAGAR, INDIA, WITH A REVISED CLASSIFICATION OF THE SUPER-

M R Siddiqi

Helminthol Soc Wash Proc 35(2):248-258 REF Jul 1968 436.9 H36

Belondiroidea, Plant nematodes, Taxonomy.

RELATIONSHIP BETWEEN SAMPLE SIZE AND EMERGENCE OF PRATYLENCHUS FROM ROOTS, (ABSTRACT).

D H Wall R A Chapman

Phytopathology 57(8):834-835

Aug 1967 464.8 P56

Plant nematodes, Pratylenchus penetrans, Red clover, Roots, Sampling (statisties).

WEEDS

23224-68

PRELIMINARY STUDIES WITH GRASS CARP FOR AQUATIC WEED CONTROL.

J W Avault

Progr Fish-cult 27(4):207-209 REF

Oet 1965 157.5 P94

Aquatie weeds, Biological control (weeds), Fish.

BIBLIOGRAPHY

SAFFRON THISTLE CONTROL IN CEREALS.

T R Davidson

S Australia J Agr 70(5):162-166

Dec 1966 23 SO84

Chemical control (weeds), Croeus sativus, D, 2,4-, Grain, Legumes, Linuron, Mowing, Weed control.

Mowing, erop rotation with legumes and spraying with 2,4-D and Linuron are suggested measures for the control of saffron thistle weed in Australian grain fields.

23226-68

EFFECT OF 2,4-DICHLOROPHENOXACETIC ACID ON OXIDATIVE PHOSPHORYLATION IN VARIOUS PLANTS.

N M Eidel'nant A K Demurina

Biokhimiya 33(1,PT 1,JAN-FEB):63-67 REF Feb 1968 385 B523

Adenosine triphosphates, Cotton, D, 2,4-, Phosphorylation, Plant biochemistry, Plant physiology, Synthesis. Russian journal-vol. 33(1):77-82, Jan-Feb, 1968 Plant

THE EFFECTS OF APPLYING PARAQUAT, ATRAZINE AND SIMAZINE FOR WEED CONTROL IN RASPBERRIES IN COASTAL BRITISH COLUMBIA.

J A Freeman

Can J Plant Sci 47(1):25-31 REF

Jan 1967 450 C16

Atrazine, Chemical eontrol (weeds), Paraquat, Raspberries, Simazine, Weed control.

NEMATODE ORIENTATION MECHANISMS. I. METHOD FOR DETERMINATION. (AB-STRACT).

I K A Ibrahim J P Hollis Phytopathology 57(8):816

Aug 1967 464.8 P56

Nematodes, Salts, Tropism, Tylenehorhynehus

CONTROL OF AQUATIC PLANTS IN FARM PONDS IN ONTARIO.

M G Johnson

Progr Fish-cult 27(1):23-30

Jan 1965 157.5 P94

Aquatic plants, Farm ponds, Herbicides, Weed eontrol.

23230-68

IDENTIFY PLANTS AND WEED HELP PREVENTION.

R M Kain

S Australia J Agr 70(12):429-433

Jul 1967 23 SO84

Diagnosis, Surveys, Weed control, Weeds.

23231-68

INFLUENCE OF TEMPERATURE ON PHYTOTOXICITY OF TRIAZINE HERBICIDES TO PINE SEEDLINGS.

T T Kozlowski S Sasaki J H Torrie Amer J Bot 54(6):790-796 REF

Jul 1967 450 AM36

Herbicides, Phytotoxicity, Pinus resinosa, Plant physiology, Seedlings, Simazine, Temperature, Toxicology.

23232-68

TILAPIA MOSSAMBICA AS A FISH FOR AQUATIC WEED CONTROL.

C W Lahser

Progr Fish-cult 29(1):48-50 REF

Jan 1967 157.5 P94

Aquatic weeds, Biological control (weeds), Fish.

A NEW TOOL FOR KILLING UNWANTED TREES.

W P MaeConnell L F Whitney A J Costa

J Forest 66(6):486-487

Jun 1968 99.8 F768

Economics, Forest management, Herbieides, Thinning (trees).

CONTROL OF WEEDS IN BRASSICAS.

F A Meeklah

New Zeal J Agr 115(5):68-69,71

Nov 1967 23 N48J

Brassica, Chemical control (weeds), Dieamba, Herbieides, Picloram.

Use of picloram, dieamba and other herbicides for eontrol of weeds in Brassica erops is discussed.

APPRAISAL OF WATER HYACINTH CON-TROL WITH 2,4-D SPRAYED FROM HELICOP-TERS.

C T Menn

Progr Fish-cult 27(4):228-229

Oet 1965 157.5 P94

Aquatic plants, D, 2,4-, Eiehhornia, Helicopters, Spraying, Weed control.

CONTROLLING UPLAND SOUTHERN HARD-WOODS BY INJECTING UNDILUTED 2,4-D AMINE.

F A Peevy

J Forest 66(6):483-487

Jun 1968 99.8 F768

D, 2,4-, Economics, Forest management, Hardwoods, Herbieides, Thinning (trees).

Abstract

23237-68

GRASS CARP FOR WEED CONTROL.

FT K Pentelow B Stott

Progr Fish-cult 27(4):210 Oct 1965 157.5 P94

Anaeharis canadensis, Aquatie weeds, Biological eontrol (weeds). Fish.

REVERSE A PROVERB WHEN SPRAYING WEEDS IN WHEAT.

R J Riddell

New Zeal J Agr 115(4):20-21

Oct 1967 23 N48J

Chemical control (weeds), Crop yields, Spraying, Weed control, Wheat, 2,4-d.

Damage to wheat erops by spraying herbieides too late in the season is discussed

23239-68

WEED CONTROL IN POTATOES.

C Sephton

Seed Potato 8(1,SPRING):162-163

1968 75.8 SE3

Chemical eontrol (weeds), Potatoes, Research, Spraying.

23240-68

ON THE USE OF CHEMICALS AS WEEDI-CIDES IN SUGARCANE FIELDS.

R P Singh

Indian Sugar 18(5):377-378

Aug 1968 65.8 IN26

Chemicals, Research, Sugareane, Weed control, Weeds.

OTHER PESTS

23241-68

THE EFFECT OF GRAMOXONE (N,N-DIMETHYL-P,P-DIPYRIDILIUM SALT) ON THE VARIOUS DEVELOPMENTAL STAGES OF B. GLABRATA. (POR

T Camey E Paulini C P de Souza

Rev Brasil Malar Doencas Trop 18(2):235-245 Apr 1966 448.8 R3283

Eggs, Larvae, Molluscacides, Mortality, Paraquat, Snails. English and portuguese summaries

PENICILLIUM MYCELIUM WASTE PROTEIN SUPPLEMENT IN ANIMALS.

V M Doctor L Kerur

Appl Microbiol 16(11):1723-1726 REF

Nov 1968 448.3 AP5

Amino acids, Animals, Diet, Peanut meal, Penicillium, Proteins, Rats.

LIVESTOCK PROTECTION

23243-68

2-PHENYL-3-TERTIARY-AMINOALKOXY PHENYL- AND CORRESPONDING TERTIA-RYAMINOALKYL THIO BENZOFURANS SUB-STITUTED IN THE BENZO NUCLEUS WITH AN ALKOXY OR TERTIARYAMINO ALKOXY OR ALKYLTHIO GROUP. PATENT 3,394,125.

R R Crenshaw

Us Patent Office Offic Gaz 852(4):963

23 Jul 1968 156.65 OF2

Animals, Benzofuran, Patents, Sterility.

23244-68

AVOID DIPPING LOSSES. JT Fearn

S Australia J Agr 72(2):70-74

Sep 1968 23 SO84

Agricultural legislation, Antiseptics, Dipping, Equipment, Poisoning, Sheep, Weather.

CONTROL AND ERADICATION OF SHEEP LICE AND KED.

JT Fearn

S Australia J Agr 71 (12):426-431

Jul 1968 23 SO84

Anoplura, Chemicals, Dipping, Insecticides, Melophagus ovinus, Shcep.

23246-68

THE EFFECTS OF A LOW-DOSAGE APPLICA-TION OF ANTIMYCIN A ON SEVERAL SPECIES OF FISH IN CRATER POND, AROOSTOOK COUNTY, MAINE.

R E Foye

Progr Fish-cult 30(4):216-219

Oct 1968 157.5 P94

Antimycin a, Fish, Ponds, Research, Wildlife management.

23247-68

THE TOXICITY OF PRO-NOXFISH TO SAL-MONID EGGS AND FRY.

R L Garrison

Progr Fish-cult 30(1):35-38

Jan 1968 157.5 P94

Eggs, Research, Rotenone, Salmon, Sulfoxide, Tables (data).

BRUCELLOSIS OF THE GOAT. (FR)

P Goret B Toma

Tech Laitiere 600:10-14

01 Aug 1968 44.8 OF2

Brucellosis, Diagnosis, Goats, Legislation, Research.

TISSUE RESIDUE AND ORAL SAFETY OF FU-RAZOLIDONE IN FOUR SPECIES OF TROUT.

L H Heaton G Post

Progr Fish-cult 30(4):208-215

Oct 1968 157.5 P94

Aeromonas salmonicida, Drugs, Fishery products, Food contamination, Furazolidone, Mortality, Taste testing, Tissues, Trout.

EXPERIMENTAL USE OF CHLORDANE IN FISHERY MANAGEMENT.

S K Konar

Progr Fish-cult 30(2):96-99

Apr 1968 157.5 P94

Chlordane, Diet, Fisheries, Laboratories. Research, Tables (data).

ISOBORNYL THIOCYANOACETATE AS FISH DRUGGING AGENT AND SELECTIVE TOXIN.

W M Lewis

Progr Fish-cult 30(1):29-31

Jan 1968 157.5 P94

Aquariums, Fish, Mortality, Research, Tables (data), Thanite, Toxins.

CHEMICAL CONTROL OF UNWANTED TIMBER.

P D McKinnon

Queensland Agr J 94(9):581-582

Sep 1968 23 Q33

Chemicals, Dairy industry, Spraying, Timber, Timber management.

23253-68

PINK EYE, A COMMON DISEASE OF SHEEP.

R D Oakes B N O'Sullivan

Queensland Agr J 94(9):532-533

Sep 1968 23 O33

Antibiotics, Diagnosis, Drug therapy, Infectious keratitis, Sheep.

23254-68

THE GROWTH, IN VITRO, OF ISOLATED APPLE SHOOTS FROM YOUNG SEEDLINGS ON MEDIA CONTAINING GROWTH REGULA-TORS.

J Pieniazek

Polska Akad Nauk Bull Ser Sci Biol 16(3):179-183 REF

1968 512 W262

Apples, Biochemistry, Biological assay, Culture media, Plant physiology, Plant regulators, Seedlings.

23255-68

LIVER FLUKE.

J G Ross

Agr North Ireland 43(5):155-157

Sep 1968 256.13 AG82M

Agricultural outlook, Cattle, Drugs, Environment, Fasciola hepatica, Research, Sheep, Snails.

23256-68

THE USE OF ROTENONE FOR RECOVERY OF LIVE FISH.

B Tate T Moen B 1 Severson Progr Fish-cult 27(3):158-160

Jul 1965 157.5 P94

Equipment, Fish, Fish culture, Rotenone.

PROGRAM OF THE 1967 ANNUAL WILDLIFE DISEASE CONFERENCE, JUNE 15-17, 1967, UNIVERSITY OF ILLINOIS, URBANA, IL-LINOIS.

Wildlife Dis Ass Bull 3(2):81-95

Apr 1967 41.9 W64B

Reports, Wildlife, Wildlife diseases.

ST. LOUIS ENCEPHALITIS VIRUS MCLEANSBORO, ILLINOIS, 1964-1966. R L Will

Wildlife Dis Ass Bull 3(2):94

Apr 1967 41.9 W64B

Birds, Encephalitis, Virus diseases (animals), Wildlife diseases, Zoonoscs. Abstract of 1967 Annual Wildlife Disease Conference

SEROLOGY OF NEW MEXICO JAVELINA (PECCARI ANGULATUS) FOR EVIDENCE OF SOME ZOONOTIC INFECTIONS.

G T Woods B R Donalds W A Snyder L E Hanson Wildlife Dis Ass Bull 4(4):139

Oct 1968 41.9 W64B

Agglutination, Scrological tests, Wildlife diseases, Zoonoses.

DISEASES

23260-68

NOT EASY TO DIAGNOSE VIBRIO.

Canad Cattlemen 31(9):24

Sep 1968 49 C16

Cattle, Diagnosis, Livestock discases, Sterility, Vibriosis.

FURTHER STUDIES ON THE DURATION OF THE IMMUNITY PRODUCED IN GOATS BY THE REV. I BRUCELLA MELITENSIS VAC-CINE.

G G Alton

J Comp Pathol 78(2):173-178

Apr 1968 41.8 J82

Bacterial vaccines, Brucella melitensis, Goats, Immunization.

ACUTE DEGENERATION AND NECROSIS OF LONGISSIMUS MUSCLE IN PIGS. (GR)

K Bickhardt H-j Chevalier

Deut Tierarztl Wochensch 75(8):198-199

15 Apr 1968 41.8 D482

Animal diseases, Diagnosis, Muscles, Necrosis, Swine. English summary

23263-68

THE MORPHOLOGY OF THE CHALLENGE IN CERTAIN ORGANS OF PIGS VACCINATED AND REVACCINATED WITH KVV AGAINST HOG CHLOERA. (CZ

J Bogdan

Czecli Min Zemed Les Hospod Ustav Vedeckotechi Inform Vet Med 12(10):565-572 REF

Oct 1967 41.9 C333

Animal physiology, Histology, Hog cholera vaccines, Immunization, Swine. English, German, and Russian abstracts

23264-68

YERSINIA ENTEROCOLITICA AND YER-SINIA-LIKE ORGANISMS ISOLATED FROM FROGS AND SNAILS.

R G Botzler T F Wetzler A B Cowan Wildlife Dis Ass Bull 4(4):110-115 REF Oct 1968 41.9 W64B Bacteria, Frogs, Snails, Wildlife diseases.

23265-68

AVIAN LEUCOSES: 1966-1967. (FR)

A Brion

Rec Med Vet 144(8):735-741

1968 41.8 R24

Avian leukosis complex viruses, Cytopathology, Immunity, Rous sarcoma virus, Serological tests. English and spanish abstracts

IS THE OCCURRENCE OF THE SNIFFING DISEASE (ATROPHIC RHINITIS) IN THE PIG A NUTRITIONAL PROBLEM . (GE)

W R Brown L Krook W G Pond Tierzuchter 20(15):546-547

05 Aug 1968 49 T445 Animal nutrition, Antibiotics, Atrophic rhinitis, Calcium, Livestock diseases, Phosphorus, Radiography, Swine.

BLOOD AND PLASMA VOLUMES IN SHEEP INFECTED WITH TRYPANOSOMA VIVAX.

M J Clarkson J Comp Pathol 78(2):189-193 REF

Apr 1968 41.8 J82 Blood, Blood plasma, Sheep, Trypanosoma vivax.

IMMUNOCHEMICAL STUDIES OF FOOT-AND-MOUTH DISEASE. III. ACRIDINE ORANGE STAINING OF AGAR GEL PRECIPITIN REAC-TIONS.

K M Cowan J H Graves Virology 34(3):544-548 REF Mar 1968 448.8 V81

LIVESTOCK PROTECTION

23269-68

Acridine orange, Agar, Animal diseases, Foot-and-mouth disease, Gels, Immunochemistry, Precipitin test. Research.

23269-68

ESCHERICHIA COLI SEPTICEMIA IN PHEASANTS.

J R Creitz N N Small

Wildlife Dis Ass Bull 3(2):68-69

Apr 1967 41.9 W64B

Bacteria, Escherichia coli, Pheasants, Wildlife dis-

23270-68

THE HYPOTHESIS OF THE UNIQUE PARTI-CLE. (FR)

G Dannacher M Fedida J Perraud Rec Med Vet 144(8):711-733 REF

Aug 1968 41.8 R24

Biochemistry, Biophysics, Statistical analysis, Viruses, Volumetric analysis. English abstract

COMPARATIVE ASPECTS OF INFECTIOUS ABORTION DISEASES COMMON TO ABORTION DISEA ANIMALS AND MAN.

S M Dennis

Int J Fertility 13(3 JUL-SEP):191-197 REF

1968 442.8 IN83

Abortion, Animal diseases, Brucellosis, Human diseases, Reproduction.

23272-68

PORCINE ENTEROVIRUS ANTISERA PREPARED IN CHICKENS.

J B Derbyshire D M Jessett J Comp Pathol 78(4):393-399

Oct 1968 41.8 J82

Antibodies, Chickens, Porcine enteroviruses, Serum, Swine, Virus diseases (animals).

23273-68

OCCURRENCE, TYPES AND THERAPY OF CATTLE LIMB DISEASES. (GE

O Dietz G Prietz

Monatsh Vet 23(4):126-135 REF

15 Feb 1968 41.8 M742

Cattle, Extremities, Livestock diseases, Mortality, Research, Therapeutics. English and Russian sumтагу.

23274-68

COMPOSITION SPECIFIC OF POLYSACCHARIDES OF A BRUCELLA ABOR-TUS VARIANT:

I I Dubrovskaya E A Dranovskaya

Biokhimiya 32(1,PT 1,JAN-FEB):24-30 REF

Feb 1967 385 B523

Antigens, Biochemistry, Brucella abortus, Guinea pigs, Polysaccharides. Russian journal- vol. 32(1):31-37, Jan-Feb, 1967

23275-68

THE ISOLATION OF A BABESIA IN WHITE-TAILED DEER.

HR Emerson WT Wright

Wildlife Dis Ass Bull 4(4):142-143

Oct 1968 41.9 W64B

Babesia, Blood, Deer, Serological tests, Wildlife diseases.

23276-68

HYPOPE PARASITES OF THE CELLULAR TIS-SUES OF BIRDS. (FR)

A. Fain

Inst Roy Sci Natur Belgique Bull 43(4):1-139 REFS

30 Mar 1967 504 B835B

Animal diseases, Birds, Insect morphology, Insect taxonomy, Mites, Parasitic insects, Zoogeography.

AETIOLOGY OF ENZOOTIC STAPHYLOCCAL INFECTION (TICK PYAEMIA) IN LAMBS; FIELD INVESTIGATIONS INTO THE RELA-TIONSHIP BETWEEN TICK-BORNE FEVER AND TICK PYAEMIA.

W N M Foster A E Cameron J Comp Pathol 78(2):243-250 Apr 1968 41.8 J82

Infectious diseases, Insect vectors, Ixodides, Lambs, Neutropenia, Pyemia, Rickettsial diseases, Sheep, Staphylococcus.

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23278-68

THROMBOCYTOPENIA N SHEEP AS-EXPERIMENTAL IN SOCIATED WITH TICKBORNE FEVER INFECTION.

W N M Foster A E Cameron

J Comp Pathol 78(2):251-254

Apr 1968 41.8 J82

Hematologic diseases, Platelets, Rickettsial diseases, Sheep.

23279-68

HAEMORRHAGIC ENTERITIS IN SHEEP EX-PERIMENTALLY INFECTED WITH TICK-BORNE FEVER.

W N M Foster A Foggie D I Nisbet J Comp Pathol 78(2):255-258 REF

Apr 1968 41.8 J82

Enteritis, Hemorrhage, Insect vectors, Intestines, Ixodides, Lambs, Sheep.

ENCEPHALOMYOCARDITIS (EMC) VIRUS RECOVERED FROM TWO COTTON RATS AND A RACCOON.

J H Gainer W I Bigler

Wildlife Dis Ass Bull 3(2):47-49 REF

Apr 1967 41.9 W64B

Encephalomyocarditis viruses, Rats, Virus diseases (animals), Wildlife diseases.

SYNTHESIS OF URIDILIC NUCLEOTIDES AND TMP IN BONE MARROW OF CHICKS INFECTED WITH THE AVIAN MYELOBLASTO-SIS VIRUS.

G A Galegov N F Pravdina V A Parnes D K Karapetyan

Biokhimiya 33(2,PT 2,MAR-APR):282-285 REF Apr 1968 385 B523

Avian myeloblastosis virus, Biochemistry, Bone marrow, Chickens, Nucleotides, Synthesis, Uridine. Russian journal-vol. 33(2):338-342, Mar-Apr, 1968

23282-68

APPLICATION OF THE COLOR TEST IN LABORATORY DIAGNOSTICS OF THE CLAS-SICAL FOWL PEST. (CZ)

A Gdovinova R Polony J Vrtiak J Zavadova Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(1):19-26 REF Jan 1967 41.9 C333

Chickens, Color, Diagnosis, Fowl plague, Serological tests. English, German, and Russian Abstracts

23283-68

THE DIAGNOSIS OF AVIAN TUBERCULOSIS IN A TURKEY IN IRAQ.

Z G A Ghani

Vet Rec 83(20):508-509 16 Nov 1968 41.8 V641

Diagnosis, Livestock diseases, Tuberculosis, Tur-

23284-68

REACTION OF YOUNG ADULT SHEEP TO VACCINATION AND INFECTION WITH MYX-OVIRUS PARAINFLUENZA 3.

N J L Gilmour A Drysdale R G Stevenson D E Hore

J Comp Pathol 78(4):463-468

Oct 1968 41.8 J82

Immunization, Myxoviruses, Parainfluenza-3 Respiratory diseases, Sheep, Virus diseases (animals).

DISEASES OBSERVED IN RABBITS DURING 1963-67 IN THE STATE OF SAO PAULO-BRAZIL. (POR)

W Giorgi

Biologico 34(4):71-82 REF

Apr 1968 442.8 B529

Acarina, Coccidiosis, Epizootic diseases, Pasteurellosis, Rabbits, Salmonellosis, Scurvy, Surveys, Toxoplasmosis. English abstract

23286-68

PULMONARY LESIONS IN DOGS AND PIGS EXPOSED TO A CLOUD OF ANTHRAX SPORES.

C A Gleiser W S Jr. Gochenour M K Ward J Comp Pathol 78(4):445-448 REF

Oct 1968 41.8 J82

Anthrax, Dogs, Livestock diseases, Lymph nodes, Respiratory diseases, Swine.

CULTIVATION OF MYCOPLASMAS FROM PIG LUNGS. (CZ)

M Gois

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(6):331-338 REF Jun 1967 41.9 C333

Culture media, Glycolysis, Mycoplasma, Swine. English, German, and Russian abstracts

23288-68

AN IMPROVED METHOD FOR THE ISOLATION AND IDENTIFICATION OF BLUETON-GUE VIRUS BY INTRAVENOUS INOCULA-TION OF EMBRYONATING CHICKEN EGGS. L Goldsmit E Barzilai

J Comp Pathol 78(4):477-487 REF

Oct 1968 41.8 J82

Bluetongue virus, Chick embryos, Injections, Virus diseases (animals).

ANIMAL CONCENTRATIONS AND INFEC-TION. (FR)

P Goret B Toma

Rev Med Vet (toulouse) (N s)31(819,AUG-SEP):803-831 REF

1968 41.8 R32 Animal breeding, Animal nutrition, Immunity, Immunization, Infectious diseases, Livestock diseases, Sanitation. English, German, Spanish summary.

CLINICAL OBSERVATIONS ON THE ROLE OF URINARY INFECTION IN THE AETIOLOGY OF CANINE UROLITHIASIS.

B E Goulden

Vet Rec 83(20):509-514 REF

16 Nov 1968 41.8 V641

Dogs, Livestock diseases, Urinary calculi, Urine, Urolithiasis.

BIOLOGICAL PRODUCTS CON-FOR TROLLING ANIMAL DISEASES.

T S Gulrajani

23291-68

Indian Farming 18(3):35 Jun 1968 22 IN283

Biological control (pests), Biology, Immunity, Livestock diseases.

23292-68

ESCHERICHIA COLI IN LIGATED SEGMENTS OF PIG INTESTINE. C L Gyles D A Barnum

J Pathol Bacteriol 94(1):189-194 REF Jul 1967 448.8 J82

Escherichia coli, Intestines, Livestock diseases, Swine.

THE AETIOLOGY OF SLOBBERS (CHRONIC FLUOROSIS) IN THE GUINEA-PIG.

G C Hard F F V Atkinson

J Pathol Bacteriol 94(1):103-112 REF Jul 1967 448.8 J82

Animal diseases, Fluorosis, Guinea pigs, Saliva.

SLOBBERS IN LABORATORY GUINEA-PIGS AS A FORM OF CHRONIC FLUOROSIS.

G C Hard F F V Atkinson J Pathol Bacteriol 94(1):95-102 REF

Jul 1967 448.8 J82

Animal diseases, Epidemiology, Fluorosis, Guinea pigs, Laboratories, Saliva.

23295-68

THE VIRUS OF CANINE DISTEMPER IN CELL CULTURE. I.

M J Harrison F A Smith J J Graydon J Comp Pathol 78(2):121-131 REF Apr 1968 41.8 J82

Canine distemper virus, Cells, Culture media, Virus diseases (animals). Ferret and monkey kidney cell cultures used.

23296-68

ULTRACYTOCHEMICAL STUDIES ON ABERRANT STRUCTURES IN AVIAN VIRUS TUMOR CELLS.

U Heine D Beard J W Beard Cancer Res 28(3):585-588 REF Mar 1968 448.8 C16

Avian myeloblastosis virus, Biochemistry, Chickens, Cytology, Neoplasms.

23297-68

THE ANAEMIA IN FASCIOLIASIS: STUDIES WITH 51CR-LABELLED RED CELLS.

P H Holmes J D Dargie J M MacLean W Mulligan

J Comp Pathol 78(4):415-420 REF

Oct 1968 41.8 J82

Anemia, Chromium isotopes, Erythroeytes, Fascioliasis, Livestock diseases, Parasitism, Rabbits, Radioactive tracers, Sheep.

23298-68

MYCOTOXICOSIS IN ANIMALS, ITS CAUSES AND REMEDIES.

C K James

Indian Farming 18(1):30-31,33-34

Apr 1968 22 IN283

Animal diseases, Ergotism, Food contamination, Fungi, Grain, Grasses, Mycotoxicosis, Poisonous fungi.

23299-68

EXAMINING THE BLOOD OF DOMESTIC POULTRY (FOWL, TURKEY, GOOSE, DUCK) FOR LISTERIA AGGLUTININS. (GE)

P Janetschke

Arch Exp Veterinarmed 22(1):171-179 REF Mar 1968 41.8 EX7

Antibodies, Blood, Chickens, Dueks, Feeding, Geese, Listeriosis, Serodiagnosis, Serological tests, Tables (data), Turkeys. English, Russian summary.

23300-68

THE STUDY OF SOME BIOLOGICAL PROPERTIES OF THE CHINESE LAPINIZED VIRUS OF HOG CHOLERA. (CZ)

J Jerabek L Pivnik

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(1):9-18 REF

Jan 1967 41.9 C333

Biological assay, Histology, Hog eholera virus, Immunization, Swine. English, German, and Russian abstracts

23301-68

NON-SPECIFIC ANTIBODIES IN CHICKENS INOCULATED INTRATRACHEALLY WITH MYCOPLASMA GALLISEPTICUM.

FT W Jordan P Kulasegaram

J Comp Pathol 78(4):407-414 REF

Oct 1968 41.8 J82

Antibodies, Chiekens, Injections, Myeoplasma galliseptieum, Trachea.

23302-68

RNA METABOLISM IN THE BRAINS OF MICE CLINICALLY AFFECTED WITH SCRAPIE.

R H Kimberlin

J Comp Pathol 78(2):237-241 REF

Apr 1968 41.8 J82

Brain, Metabolism, Mice, Ribonucleie acid, Scrapie, Virus diseases (animals).

23303-68

STUDIES OF THE DIFFERENTIATION OF FOOT-AND-MOUTH DISEASE VIRUS TYPES O, A, AND C IN THE CELL CULTURE USING THE DIRECT COONS METHOD. (GE)

R Kokles E Hahnefeld H Hahnefeld Arch Exp Veterinarmed 22(1):77-83 REF

Arch Exp Veterinarmed 22(1):77-83 RE. Mar 1968 41.8 EX7

Diagnosis, Foot-and-mouth disease virus, Methodology, Tables (data), Tissue culture. English summary.

23304-68

VACCINATION IN THE FEEDLOT.

T T Kramer

Canad Cattlemen 31(9):8-9

Sep 1968 49 C16

Bovine virus diarrhea virus, Cattle, Clostridium, Feedlots, Immunization, Infectious bovine rhinotracheitis virus, Livestock diseases, Shipping fever.

23305-68

ANTIGENS OF SALMONELLA CHOLERAE SUIS. -PREPARATION BY MEANS OF ULTRASOUND, AUTOLYSIS, AND ALTERNATIVE FREEZING AND DEFREEZING. (CZ)

V Krcmery V Rajtar I Ciznar

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(1):27-34 REF

Jan 1967 41.9 C333

Antigens, Autolysis, Biochemistry, Methodology, Salmonella choleraesuis, Sound waves. English, German, and Russian abstracts

23306-68

CLASSIFICATION OF DUCK PLAGUE VIRUS. (DU)

H Kunst

Tijdsclır Diergeneesk 93(16):1025-1027 REF 15 Aug 1968 41.8 T431

Ducks, Herpesviruses, Plague, Taxonomy, Virus diseases (animals).

23307-68

THE RAISING OF ANIMALS AND VETERINARY MEDICINE. (FR)

M Leehenault

62P SAINTE-MAURE, FRANCE, IMPRIMERIE LA RENAISSANCE

1967 SF755.L4

Animal diseases, Animal husbandry, Drug therapy, Immunity, Infectious diseases, Veterinary medicine.

23308-68

DIAGNOSIS AND THERAPY OF GASTRITIS IN DOGS. (GE)

R H Lehmann M Sehicht

Monatsh Vet 23(4):146-149 REF

15 Feb 1968 41.8 M742

Animal diseases, Diagnosis, Dogs, Drug therapy, Gastrie juice, Gastritis, Research. English and Russian summary.

23309-6

MICROBIOLOGICAL STUDIES OF TWO NOCARDIA STRAINS. (GE)

K E Lindner

Arch Exp Veterinarmed 22(1):111-120 REF
Mar 1968 41.8 EX7

Antibioties, Antiseptics, Bacteriology, Biochemistry, Cattle, Diagnosis, Laboratory animals, Mastitis, Microbiology, Morphology, Nocardia, Nocardiosis, Temperature, Udders. English, Russian summary.

23310-68

SOME NEOPLASMS OF MICHIGAN COTTON-TAIL RABBITS.

T Lopushinsky

Wildlife Dis Ass Bull 3(2):90

Apr 1967 41.9 W64B

Neoplasms, Rabbits, Wildlife diseases. Abstract of 1967 Annual Wildlife Disease Conference

23311-68

A SEROLOGICAL SURVEY OF DOGS, NATIVE RODENTS AND HUMANS IN NEW MEXICO.

D L Lundgren B D Thorpe

Wildlife Dis Ass Bull 4(4):140-141

Oct 1968 41.9 W64B

Dogs, Human diseases, Rodents, Serological tests, Wildlife diseases.

23312-68

CLAUCOMA IN THE BASSET HOUND.

C L Martin M Wyman

Amer Vet Med Ass J 153(10):1320-1327 REF

15 Nov 1968 41.8 AM3

Animal diseases, Dogs, Eyes, Glaucoma.

23313-68

COMPARISON OF EFFECT OF CONCENTRA-TIONS OF MALACHITE GREEN AND ACRIFLAVINE ON FUNGI ASSOCIATED WITH DISEASED FISH.

R L Martin

Progr Fish-cult 30(3):153-158

Jul 1968 157.5 P94

Aeriflavine, Diagnosis, Fisheries, Fungus diseases (animals), Malachite green, Research.

23314-6

PARTICIPATION OF THE P I-3 VIRUS IN RESPIRATORY INFECTIONS OF CATTLE AT LARGE-CAPACITY BREEDING INSTALLA-TIONS. (CZ)

J Mensik K Jurmanova J Koei

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(6):293-302 REF Jun 1967 41.9 C333

Cattle, Parainfluenza-3, Respiratory diseases, Virus diseases (animals). English, German, and Russian abstracts

23315-68

STUDY OF 219 STRAINS OF PATHOGENIC STAPHYLOCOCCI ISOLATED IN ALGERIA. RELATION BETWEEN SEROTYPE AND ANTIBIOTICS. (FR)

B Mered P Gerodias

Inst Pasteur Algerie Arch 45:30-39 REF

1967 448.3 IN7A

Animal diseases, Antibiotics, Drug therapy, Hemolysins, Research, Staphylococcus. English summary.

23316-68

THE EFFECT OF INCUBATION TEMPERATURE ON TOXOPLASMA DYE TEST TITRES.
G G Moyle

Australian J Exp Biol Med Sci 45(5):571-574 REF

Oct 1967 442.8 AU7

Dyes, Ineubation, Temperature, Toxoplasma.

23317-68

A STUDY OF THE BACTERIA PRESENT IN THE PROXIMAL AND DISTAL SMALL INTESTINE OF CATTLE. (GE)

K Mueller H Fiehel

Arch Exp Veterinarmed 22(1):121-125 REF

Mar 1968 41.8 EX7

Bacteria, Cattle, Intestines. English, Russian summary.

23318-68

INFECTIOUS NUCLEIC ACID FROM A TRANSMISSIBLE AGENT CAUSING GASTROENTERITIS IN PIGS.

J O Norman A W McClurkin H L Bachrach J Comp Pathol 78(2):227-235 REF

Apr 1968 41.8 J82

Rahy pigs Brain Decyyribonucleas

Baby pigs, Brain, Deoxyribonucleases, Feces, Germ-free life, Infectious diseases, Mice, Nucleic acids, Ribonuclease, Swine, Transmissible gastroenteritis virus.

23319-68

THE RESULTS OBTAINED IN A MICROBIOLOGICAL EXAMINATION OF THE MEAT OF PIGS KILLED BECAUSE OF IRRADIATION SICKNESS. (CZ

BIBLIOGRAPHY

23320-68

O Pawel V Kalousova J Vranovska Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(7):361-366 REF

Jul 1967 41.9 C333

Animal diseases, Bacterial diseases (animals), Food contamination, Pork, Radiation, Swine. English, German, and Russian abstracts

23320-68

ANEUPLOIDY IN AN INFERTILE MARE.

H W Payne K Ellsworth A DeGroot

Amer Vet Med Ass J 153(10):1293-1299 REF 15 Nov 1968 41.8 AM3

Chromosomes, Horses, Livestock diseases, Polyploidy, Sterility.

23321-68

MASTITIS AS A HERD PROBLEM.

J K L Pearson C L Wright J S Ogg Agr North Ireland 43(5):150-152

Sep 1968 256.13 AG82M Dairy industry, Equipment, Mastitis, Milk analysis, Veterinarians.

23322-68

THE INFLUENCE OF GELATINE ON THE FIL-TRATION OF FOOT AND MOUTH DISEASE VIRUS THROUGH FILTERS OF SEITZ EK TYPE. (CZ)

G Petr B Barek R Hubik

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(8):393-402 REF

Aug 1967 41.9 C333

Biophysics, Filters, Foot-and-mouth disease virus, Gelatin, Methodology. English, German, and Russian abstracts

TOXICITY, TISSUE RESIDUE, AND EFFICACY OF ENHEPTIN GIVEN ORALLY TO RAINBOW TROUT FOR HEXAMITIASIS.

G Post M M Beck

Progr Fish-cult 28(2):83-88

Apr 1966 157.5 P94

Amino-5-triazole, 2-, Pesticide residues, Tissues, Trout, Wildlife diseases.

23324-68

SALMONELLOSIS IN SHEEP.

R A Robinson

New Zeal J Agr 114(2):16-17

Feb 1967 23 N48J

Bacterial diseases (animals), Salmonella typhimurium, Sanitation, Sheep, Water supply.

Salmonellosis in sheep can best be controlled by a clean water supply, proper carcass disposal of dis-eased animals and avoidance of crowded condi-

23325-68

BLUETONGUE IN DEER.

R M Robinson E L Stair L P Jones

Wildlife Dis Ass Bull 3(2):91

Apr 1967 41.9 W64B

Bluetongue, Deer, Fluorescent antibody technic, Virus diseases (animals), Wildlife diseases. Ab-stract of 1967 Annual Wildlife Disease Conference

23326-68

IMMUNOCHEMICAL CHARACTERISTICS OF TWO GEOGRAPHIC VA PASTEURELLA TULARENSIS. VARIETIES

1 V Rodionova G K Shipintsina

Bioklumiya 32(6,PT 1,NOV-DEC):958-963 REF Dec 1967 385 B523

Chemical analysis, Immunochemistry, Pasteurella tularensis, Serological tests. Russian journal- vol. 32(6):1161-1168, Nov-Dec, 1967

23327-68

A NEW INFLUENZA A VIRUS INFECTION IN TURKEYS. III. PATHOLOGY OF THE EXPERI-MENTAL DISEASE BY VIRUS STRAIN TUR-KEY/ONTARIO/6213/66.

BT Rouse G Lang O Narayan J Comp Pathol 78(4):525-533 REF

Oct 1968 41.8 J82

Influenza, Turkeys, Virus diseases (animals).

23328-68

RECENT STUDIES OF WILDLIFE RABIES IN ILLINOIS.

G C Sanderson B J Verts G L Storm Wildlife Dis Ass Bull 3(2):92

Apr 1967 41.9 W64B

Rabies, Research, Wildlife diseases. Abstract of 1967 Annual Wildlife Disease Conference

TUMOURS OF THE ENDOCRINE GLANDS IN CATTLE, SHEEP AND PIGS FOUND IN A BRITISH ABATTOIR SURVEY.

A T Sandison L J Anderson

J Comp Pathol 78(4):435-444 REF

Oct 1968 41.8 J82

Cattle, Endocrine glands, Livestock diseases, Neoplasms, Sheep, Swine.

THROMBOCYTOPENIC PURPURA OF PIGS.

C N Saunders D A Kinch

J Comp Pathol 78(4):513-523

Oct 1968 41.8 J82

Agglutination, Antibodies, Baby pigs, Blood, Colostrum, Livestock diseases, Mortality, Purpura hemorrhagica, Swine.

A STUDY OF THE OCCURRENCE OF SECON-DARY BACTERIAL INFECTIONS IN STORE PIGS AFFECTED WITH HOG CHOLERA WITH PARTICULAR REFERENCE TO INTESTINAL BACTERIA. (GE)

D Schmidt O-R Kaaden

Arch Exp Veterinarmed 22(1):161-169 REF

Mar 1968 41.8 EX7

Bacteria, Bacterial diseases (animals), Enterobacteriaceae, Escherichia, Hog cholera, Immunity, Intestines, Swine, Tables (data), Virus diseases (animals). English, Russian summary.

23332-68

PINK-EYE CAN BE PAINFUL.

W K Sinclair

S Australia J Agr 70(9):316-317

Apr 1967 23 SO84

Diagnosis, Diptera, Epizootic diseases, Infectious keratitis, Insect vectors, Rickettsia, Sheep, Therapeutics.

The diagnosis, etiology and treatment of pink-eye in sheep are discussed.

INVESTIGATION OF THE GROWTH PROPER-TIES OF MYCOPLASMAS IN BOUILLON MEDIUM. (CZ.)

B Skalka

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(6):321-330 REF Jun 1967 41.9 C333

Culture media, Growth factors, Mycoplasma, Physiology. English, German, and Russian abstracts

23334-68

IMMUNIZATION AGAINST AUJESZKY'S DISEASE WITH LIVE VACCINE. 4. THE OCCURRENCE OF AUJESZKY'S DISEASE IN PIGHERDS VACCINATED WITH BUK VACCINE. (CZ)

R Skoda

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(6):283-292 Jun 1967 41.9 C333

Immunization, Pseudorabies, Swine, Vaccines. English, German, and Russian abstracts

BIOCHEMICAL AND PATHOLOGICAL STUDIES ON MAGNESIUM DEFICIENCY IN THE RAT. I. YOUNG ANIMALS.

BSW Smith D1 Nisbet

J Comp Pathol 78(2):149-159 REF

Apr 1968 41.8 J82

Biochemistry, Blood serum, Deficiency diseases, Diet, Magnesium, Rats.

23336-68

EFFECT OF INTAKE OF COPPER, MOLYB-DENUM AND SULPHATE ON COPPER METABOLISM IN THE SHEEP, III. STUDIES WITH RADIOACTIVE COPPER IN MALE CAS-TRATED SHEEP.

BSW Smith AC Field NF Suttle

J Comp Pothol 78(4):449-461 REF

Oct 1968 41.8 J82

Castration, Copper isotopes, Deficiency diseases, Feed supplements, Metabolism, Molybdenum, Radioactive tracers, Sheep, Sulfates.

23337-68

A ONE-STAGE PROCEDURE FOR THE EX-TERIORISATION OF THE COMMON BILE-DUCT IN SHEEP FOR LIVER FUNCTION STU-

T A Stanbridge P H Mortimer

J Comp Pathol 78(4):499-503

Oct 1968 41.8 J82

Animal physiology, Bile ducts, Liver, Sheep. In relation to liver disturbances, including feeding on poisonous plants.

23338-68

CALIFORNIA ENCEPHALITIS-GROUP VIRUS INFECTIONS IN SMALL WILD MAMMALS AND INSECTS IN A DECIDUOUS FOREST AREA OF SOUTHWESTERN WISCONSIN.

W H Thompson D J Engeseth J O Jackson G R DeFoliart

Wildlife Dis Ass Bull 3(2):92

Apr 1967 41.9 W64B

Encephalitis, Insects, Mammals, Virus diseases (animals), Wildlife diseases. Abstract of 1967 Annual Wildlife Disease Conference

23339-68

THE ESTIMATION OF COMPLEMENT-FIXING ANTIBODIES IN BOVINE DICTYOCAULOSIS BY MEANS OF AN ANTIGEN PREPARED FROM ASCARIS SUUM. (CZ.)

J Tomanek Z Prochazka

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(1):35-42

Jan 1967 41.9 C333

Antibodies, Ascaris lumbricoides suum, Cattle, Complement fixation, Immunization, Verminous bronchitis. English, German, and Russian abstracts

COCCIDIOSIS OF POULTRY.

J W Topham

S Australia J Agr 70(5)174-175

Dec 1966 23 SO84

Coccidiosis, Diagnosis, Drug therapy, Poultry

The symptoms and chemotherapy of coccidosis in Australian poultry is discussed.

23341-68

DICHLOROPHENE FOR CONTROL OF TU-NICATES IN CULTURES OF ARTIFICIALLY REARED BIVALVE MOLLUSKS.

H S Tubiash A E Farrin

Progr Fish-cult 29(4):235-237

Oct 1967 157.5 P94

Aquatic animals, Chemical control (pests), Dichlorophene, Fish culture, Fungicides, Mollusks, Rearing.

23342-68

METABOLIC DISTURBANCES IN NICOTIANA GLAUCA, A SYMPTOMLESS CARRIER OF POTATO WITCHES' BROOM.

M Ulrychova J Limberk

Biol Plant 9(1):56-60

Jan 1967 450 B52 Plant metabolism, Potatoes, Tobacco, Virus diseases (plants).

23343-68

ON THE ACTUAL PROBLEMS OF MYCOTOX-ICOSES OF FARM ANIMALS CZECHOSLOVAKIA AND OF THEIR PROPHYLAXIS. (CZ) J Ursiny L Groch

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(6):311-320 REF Jun 1967 41.9 C333

Livestock diseases, Mycotoxicosis, Surveys. English and Russian abstracts

IMMUNOFLUORESCENCE DEMONSTRATION OF THE BOVINE STRAIN OF MYXOVIRUS PARAINFLUENZAE-3 IN A CALF KIDNEY TIS-SUE CULTURE. (CZ

L Valicek B Smid

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(8):403-408 REF Aug 1967 41.9 C333

Antigens, Cattle, Diagnosis, Fluoreseent antibody technic, Parainfluenza-3, Tissue culture. English, German, and Russian abstracts

23345-68

DIFFERENT SENSITIVITY OF VARIOUS CELL CULTURE SYSTEMS TO RIBONUCLEIC ACID FROM A FOOT AND MOUTH DISEASE VIRUS NOT INFECTIOUS FOR CELL CULTURES. (GE

S Wagner H Hantschel

Arch Exp Veterinarmed 22(1):227-232 REF

Mar 1968 41.8 EX7

Biochemistry, Cells, Foot-and-mouth disease virus, Infectious diseases, Ribonucleic acid, Tables (data), Tissue culture, Virus diseases (animals). English, Russian summary.

23346-68

THE FIRST DEVELOPMENTAL STAGES OF E. ACERVULIAN (COCCIDIA) IN EXPERIMENTALLY INFECTED CHICKS. (GE)

W H Wagner O Foerster Z Parasitenk 28(3):232-239

28 Mar 1967 442.8 Z33F

Chickens, Eimeria acervulina, Histology.

23347-68

PRELIMINARY STUDIES OF LISTERIA MONOCYTOGENES IN DEER FROM THE E. S. GEORGE RESERVE.

T F Wetzler A B Cowan L A Renkowski N R

Freeman O J Carver

Wildlife Dis Ass Bull 3(2):93

Apr 1967 41.9 W64B

Bacteria, Deer, Listeria monocytogenes, Research, Wildlife diseases. Abstract of 1967 Annual Wildlife Disease Conference

THE IN VITRO EFFECT OF KETONE BODIES ON THE GROWTH CURVES OF MASTITIS OR-GANISMS IN MILK.

F White E A S Rattray

J Comp Pathol 78(2):179-188 REF

Apr 1968 41.8 J82

Acetoacetic acid, Cattle, Ketone bodies, Leukocytes, Mastitis, Milk, Physiology, Staphylococcus.

ISOLATION AND PROPAGATION OF THE VIRUS OF TRANSMISSIBLE GASTROENTERITIS OF PIGS IN VARIOUS PIG CELL CULTURES.

K H Witte B C Easterday

Arch Gesamte Virusforsch 20(3):327-350 REF 1967 448.3 AR23

Cytopathology, Gastroentcritis, Swine, Tissue culture, Virology.

Abstract

23350-68

A STUDY OF THE PROPERTIES OF THE CHINESE LAPINIZED HOG CHOLERA VIRUS. II. IMMUNOGENITY OF THE VIRUS. (CZ)

A Zuffa J Cernek E Wagner E Demeter Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(1):1-8

Jan 1967 41.9 C333

Hog cholera virus, Immunization, Swinc, Vaccines. English, German, and Russian abstract

23351-68

PROOF OF THE VIRUS OF HOG CHOLERA IN A TISSUE CULTURE BY MEANS OF IMMUNOFLUORESCENCE. (CZ)

A Zuffa J Matis O Zak J Fragner Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(6):303-310 REF

Jun 1967 41.9 C333

Fluorescent antibody technic, Hog cholera virus, Immunochemistry, Swine, Tissue culture, Virus diseases (animals). English, German, and Russian

ARTHROPODS

CONTROLLING EXTERNAL PARASITES OF POULTRY--RECOMMENDED PESTICIDES.

S Australia J Agr 70(10):366-367

May 1967 23 SO84

Catalogs, Chemical control (insects), Insect control, Malathion, Mallophaga, Poultry, Siphonap-

A list of insects and mites parasitic on poultry and recommended insecticide dosages for their control is given.

ACCURACY AND FORETHOUGHT ARE ES-SENTIAL IN PLUNGE DIPPING.

A R Diack

New Zeal J Agr 115(6):28-32

Dec 1967 23 N48J

Arsenic compounds, Bacteriostats, Chemical control (insects), Methodology, Rotenone, Sheep-dip.

Techniques of sheep dipping for control of external parasites are discussed along with a list of chemicals and equipment to be used.

ULTRA-LOW-VOLUME APPLICATION OF IN-SECTICIDES TO CATTLE FOR CONTROL OF THE HORN FLY.

J L Eschle A Miller

J Econ Entomol 61(6):1617-1621 REF

16 Dec 1968 421 J822

Cattle, Chemical control (insects), Costs, Haematobia irritans, Insecticides, Spraying, Spraying equipment.

23355-68

A PROGRESS REPORT ON INSECTICIDE RE-SISTANCE IN THE FLY COMPLEX...OF CALIFORNIA POULTRY RANCHES.

G P Georghiou M K Hawley E C Loomis

Calif Agr 21(4):8-11

Apr 1967 100 C12CAG

Diptera, Insect pests, Insecticide resistant insects, Poultry, Reports.

WEIGHT GAINS AND WOOL GROWTH IN SHEEP INFESTED WITH THE SHEEP KED MELOPHAGUS OVINUS.

W A Nelson S B Slen

Exp Parasitol 22(2):223-226

Apr 1968 436.8 EX7

Animal physiology, Lambs, Melophagus ovinus, Sheep, Wool.

Abstract

23357-68

EVALUATION OF SHELL SD 8447, SD 8448, AND SD 8436 AS CANDIDATE SYSTEMIC IN-SECTICIDES FOR CONTROL OF COMMON AND NORTHERN CATTLE GRUBS.

W M Rogoff A R Roth G H Gretz W S Bigley R Orchard

J Econ Entomol 61(2):487-490

Apr 1968 421 J822

Cattle, Chemical control (insects), Chloro-1-(2,4dibromophenyl)vinyl dimethyl phosphate, 2-, Chloro-1-(2,4,5-trichlorophenyl)vinyl diethyl phosphate, 2-, Chloro-1-(2,4,5-trichlorophenyl)vi-

nyl dimethyl phosphate, 2-, Hypoderma bovis, Hypoderma lineatum, Insecticides, Systemic insecticides.

Abstracts

PARASITES

23358-68

STUDIES ON THE SUITABILITY OF THE AL-BINO RAT FOR TESTING ANTHELMINTIC ACTIVITY AGAINST FASCIOLA HEPATICA.

J C Boray F A Happich J C Andrews Ann Trop Med Parasitol 61(1):104-111

Mar 1967 448.9 L75A Animal diseases, Anthelmintics, Drug therapy, Fasciola hepatica, Nematodes, Rats.

23359-68

PATHOLOGIC CONFIRMATION OF MALARIA (PLASMODIUM ELONGATUM) IN AFRICAN PENGUINS (SPHENISCUS DEMERSUS). R W Fleischman R A Squire W J L Sladen J

Мооге Wildlife Dis Ass Bull 4(4):133-135

Oct 1968 41.9 W64B

Malaria, Parasitism, Penguins, Wildlife diseases.

IMMUNIZATION OF LABORATORY ANIMALS WITH THE SOIL NEMATODE RHABDITIS AXEI (COBBOLD 1884) AGAINST SUB-SEQUENT INVASION BY ASCARIS SUUM (GOEZE 1782). (GE) W Frick

Arch Exp Veterinarmed 22(1):219-226 REF

Mar 1968 41.8 EX7

Asearis lumbricoides suum, Immunization, Laboratory animals, Mice, Nematodes, Rhabditis axei, Tables (data). English, Russian summary.

23361-68

ELECTROPHORETIC ANALYSIS FASCIOLA HEPATICA- TOTAL EXTRACT. (GE)

E Geyer

Z Parasitenk 28(4):352-369 REF

18 Apr 1967 442.8 Z33F

Electrophoresis, Fasciola hepatica, Glycoproteins, Lipoproteins, Proteins, Serodiagnosis.

SARCONEMA EURYCERCA, INFECTION IN WHISTLING SWANS, CYGNUS COLUMBIANUS, IN CHESAPEAKE BAY.

B L Holden W J L Sladen

Wildlife Dis Ass Bull 4(4):126-128 REF

Oct 1968 41.9 W64B

Nematodes, Parasitism, Wildlife diseases.

23363-68

THE INTERPRETATION OF FAECAL EGG-COUNTS. IV. THE INFLUENCE OF FAECAL CONSISTENCY AND DRY MATTER CONTENT ON FASCIOLA HEPATICA EGG-COUNTS IN CATTLE.

M R Honer

Z Parasitenk 28(3):211-218 REF

28 Mar 1967 442.8 Z33F

Cattle, Diagnosis, Eggs, Fasciola hepatica, Feces.

23364-68

THE INTERPRETATION OF FAECAL EGG-COUNTS. V. A FURTHER NOTE ON SINGLE AND MULTIPLE SAMPLING IN THE DETEC-TION OF PARASITIC INFECTIONS.

M R Honer

Z Parasitenk 28(3):219-222

28 Mar 1967 442.8 Z33F

Diagnosis, Eggs, Fasciola hepatica, Feces, Statistical analysis.

23365-68

PHILOMETRA LUSIANA (NEMATODA, DRACUNCULIDAE)-PARASITE OF CARP. (RUS)

LIVESTOCK PROTECTION

23366-68

V M Ivasik R V Skovronsky B G Syirepo N J Vorona

Zool Zhur 46(11):1713-1714

Nov 1967 410 R92

Dracunculidae, Fish, Nematodos, Parasitism.

Abstract

23366-68

NEW HOST RECORDS FOR ALLASSOSTOMA (TREMATODA: DIGENEA) AND NEOECHIN-ORHYNCHUS (ACANTHOCEPHALA) FROM PSEUDEMYS CONCINNA.

C A III. Johnson

Wildlife Dis Ass Bull 4(4):129

Oct 1968 41.9 W64B

Acanthocephala, Parasitism, Trematoda, Turtles, Wildlife discases.

NEW HOST RECORDS OF INTESTINAL NE-MATODES OF MARYLAND RODENTS AND SUPPRESSION OF CAPILLARIA BONNEVIL-LEI GRUNDMANN AND FRANDSEN, 1960 AS A SYNONYM OF C. AMERICANA READ 1949.

J R Lichtenfels A J Haley

Helminthol Soc Wash Proc 35(2):206-211 REF Jul 1968 436.9 H36

Capillaria, Capillaria americana, Intestines, Nematodes, Parasitism, Rodents.

23368-68

DRENCHING OF SHEEP AND CATTLE IM-PORTANT FOR PARASITE CONTROL.

C M T Meldal-Johnsen

New Zeal J Agr 115(4):107,109,111

Oct 1967 23 N48J

Cattle, Chemical control (nematodes), Dipping, Life cyclc, Nematodes, Sheep.

The author discusses the control of worm infestation through good husbandry and judicious dipping of sheep and cattle. A description of the life cycle of the parasite Haemonchus contortus is given.

HELMINTHS OF SOME WILD MAMMALS IN THE SOUTHEASTERN UNITED STATES.

G C Miller R Harkema

Helminthol Soc Wash Proc 35(2):118-125 REF Jul 1968 436.9 H36

Mammals, Nematodes, Parasitism, Taxonomy, Zoogeography.

IMMUNOGLOBULIN BINDING BY THE MIRACIDIA OF FASCIOLA HEPATICA.

M Movsesijan

J Comp Pathol 78(4):421-425

Oct 1968 41.8 J82

Fasciola hepatica, Fluorescent antibody technic, Globulins, Immunity, Iodine isotopes, Parasitism, Radioactive tracers, Sheep.

23371-68

INCIDENCE AND **PATHOLOGY** OF SPIROCERCA LUPI IN KENYA.

J Comp Pathol 78(4):401-405 REF

Oct 1968 41.8 J82

Aorta, Cats, Dogs, Esophagus, Nematodes, Parasitism, Sarcoma, Spirocerca lupi, Wildlife.

ECTOPARASITIC INFECTIONS ON FISH OF VOLTA LAKE, GHANA.

1 Paperna

Wildlife Dis Ass Bull 4(4):135-137

Oct 1968 41.9 W64B

Fish, Parasitism, Wildlife diseases.

ON THE TREMATODES: EUPARYPHIUM IN-ON THE TREMATODES: EUPARTPHION IN-ERME (FUHRMAN, 1904) (ECHINOSTO-MATIDAE) AND HAPLORCHIS TAICHUI (NISHIGORI, 1924) WITENBERG, 1930); (HETEROPHYIDAE) IN INDIAN DOGS.

V K Sahasrabudhe H L Shah

Indian J Helminthol 19(1):56-63 REF

BIBLIOGRAPHY

Mar 1967 436.8 IN2

Dogs, Echinochasmus, Euparyphium, Haplorchis, Opisthorchis, Surveys, Taxonomy, Trematoda.

MODIFICATIONS OF THE AMERICAN MUS-KRAT'S (ONDATRA ZIBETHICA L.) KRAT'S (ONDATRA ZIBETHICA L.) PARASITIC FAUNA DUE TO ACCLIMATIZA-

O Scy

Acta Zool (budapest) 13(3-4):409-416 REF 1967 410 AC85

Acanthocephala, Animal adaptation, Animal physiology, Cestoda, Insect vectors, Muskrats, Nematodes, Trematoda, Wildlife.

23375-68

PARASITES OF RABBITS FROM NORTH CAROLINA.

R Stringer

Wildlife Dis Ass Bull 3(2):93

Apr 1967 41.9 W64B

Parasitism, Rabbits, Wildlife diseases. Abstract of 1967 Annual Wildlife Disease Conference

THE METHOD OF INVASION OF THE META-CYCLIC LARVAE OF LITOMOSOIDES CHRNII CHANDLER 1931 (FILARIIDAE). (GE) P Wenk

Z. Parasitenk 28(3):240-263 REF 28 Mar 1967 442.8 Z33F

Animal diseases, Histology, Insect vectors, Nematodes, Rodents. English abstract

COMMODITY PROTECTION

STORAGE DISEASES

EMPLOYMENT OF MALEIC HYDRAZIDE IN THE STORAGE OF ONION BULBS. (POR)

H G Blanco L Leiderman Biologico 34(4):90-93

Apr 1968 442.8 B529

Maleic hydrazide, Onions, Plant growth inhibitors, Stored products. English abstract

ARTHROPODS

PORT OFFICERS KEEP CONSTANT WATCH AGAINST CARPENTER ANTS.

T P Hammond

New Zeal J Agr 115(5):26-27

Nov 1967 23 N48J

Camponotus pennsylvanicus, Insect ecology, Inspection (agricultural products), Pest control

23379-68

BACTERIA FROM GRANARY WEEVILS COL-LECTED FROM LABORATORY COLONIES AND FIELD INFESTATIONS.

P K Harein E De Las Casas

J Econ Entomol 61(6):1719-1720

16 Dec 1968 421 J822

Bacteria, Culture media, Food contamination, Insect cultures, Insect vectors, Sitophilus granarius, Stored products, Wheat.

MICROBIAL CONTAMINATION

23380-68

MURINE TOXICITY OF COCHLIOBOLUS CARBONUM.

P B Hamilton R R Nelson B S H Harris Appl Microbiol 16(11):1719-1722 Nov 1968 448.3 AP5

Cochliobolus carbonum, Injections, Metabolites, Micc, Research, Toxicology.

EFFECT OF STREPTOMYCIN ON SOME EN-ZYME SYSTEMS OF BACILLUS SUBTILIS.

A Mandal S K Majumdar

Appl Microbiol 16(11):1786-1789 REF

Nov 1968 448.3 AP5

Antibiotics, Bacillus subtilis, Bacteria. Dehydrogenases, Enzymes, Research, Streptomycin.

23382-68

SPORICIDAL EFFECT OF PERACETIC ACID VAPOR.

D M Portner R K Hoffman

Appl Microbiol 16(11):1782-1785

Nov 1968 448.3 AP5

Bacillus subtilis, Cells, Equipment, Humidity, Peroxyacetic acid, Research, Spores, Vapors.

TISSUE CULTURE METHOD FOR TOXIGENICITY TESTING OF CORYNEBACTERI-UM DIPHTHERIAE.

J H Schubert S T Bickham G L Wiggins

Appl Microbiol 16(11):1748-1752

Nov 1968 448.3 AP5

Blood serum, Cells, Corynebacterium diphtheriae, Laboratories, Rabbits, Research, Temperature, Tissue culture, Toxicology.

23384-68

PHAGE TYPING SCHEME FOR SALMONELLA BRAENDERUP.

1 Sechter C B Gerichter

Appl Microbiol 16(11):1708-1712 REF

Nov 1968 448.3 AP5

Bacteriophages, Culture media, Research, Salmonclla braenderup, Serological tests.

23385-68

EFFECT OF INOCULUM SIZE ON IN VITRO SUSCEPTIBILITY TESTING WITH LINCO-MYCIN.

S Shadomy J L Bruce M M Kannan Appl Microbiol 16(11):1663-1668

Nov 1968 448.3 AP5

Bactericides, Culture media. Lincomycin. Research, Staphylococcus aurcus, Tables (data).

ENVIRONMENTAL CONTAMINATION

23386-68

PREDICTING AND MEASURING THE SOLUBILITY OF P,P'-DDT IN WATER.

J W Bigger G R Dutt R L Riggs

Bull Environ Contain Toxicol 2(2,MAR-APR):90-100 REF

1967 RA1270.P35A1

DDT, Food contamination, Insecticides, Measurement, Solubility, Water.

23387-68

AN UNUSUAL OUTBREAK OF LEAD POISON-ING IN CALVES.

J F Harbourne C T McCrea J Watkinson Vet Rec 83(20):515-517

16 Nov 1968 41.8 V641 Cattle, Food contamination, Lead, Poisoning, Toxicology.

23388-68

STUDIES ON BIOLOGICAL TREATMENT OF LIVESTOCK EXCRETA WITH SPECIAL REFERENCE TO REMOVAL OF AMMONIAC NITROGEN FROM MEDIA BY ZOOGLEA-FORMING BACTERIA. (JA)

O Uemura

Jap Vet Med Ass J 20(6):261-263 REF 1967 41.9 J275

22

Ammoniacum, Bacteria, Excreta, Livestock, Nitrogen, Sewage, Sewage treatment. English summary

Abstract

RESIDUES

23389-68

SECRETION OF DDT IN MILK BY FRESH

W H Brown J M Witt F M Whiting J W Stull

Pesticide Progr 5(5):159 Sep 1967 79.8 P434

Ddt, Insecticide residues, Milk.

Abstract

23390-68

CHANGES IN GUPPY POPULATIONS RESULT-ING FROM EXPOSURE TO DIELDRIN.

J Jr. Cairns J L Loos Progr Fish-cult 28(4):220-226 REF

Oct 1966 157.5 P94

Biochemistry, Dieldrin, Fish, Pesticide residues, Population.

23391-68

DIELDRIN RESIDUES IN THE GALLINULES PORPHYRULA MARTINICA L. AND GALLINU-LA CHLOROPUS L. AND ITS EFFECT ON CLUTCH SIZE AND HATCHABILITY.

M K Causey F L Bonner J B Graves Bull Environ Contam Toxicol 3(5,SEP-OCT):274-

283 REF

1968 RA1270.P35A1

Biochemistry, Birds, Dieldrin, Game birds, Pesticide residues, Physiology, Reproduction.

EFFECTS OF APHOLATE, AN INSECT STERI-LANT, ON AN ESTUARINE FISH, SHRIMP, AND GASTROPOD.

R Eisler

Progr Fish-cult 28(3):154-158

Jul 1966 157.5 P94

Apholate, Chemosterilants, Fish, Gastropoda, Insect control, Pesticide residues, Saline water, Shrimps.

23393-68

EFFECTS OF DIQUAT ON BLUEGILLS AND THEIR FOOD ORGANISMS.

P A Gilderhus

Progr Fish-cult 29(2):67-74 REF

Apr 1967 157.5 P94

Biochemistry, Bluegill, Diquat, Food, Pesticide residues, Physiology.

TRIAL MONITORING OF PESTICIDES IN WINGS OF MALLARDS AND BLACK DUCKS.

R G Heath R M Prouty

Bull Environ Contam Toxicol 2(2,MAR-

APR):101-110

1967 RA1270.P35A1

Ducks, Pesticide residues, Pesticides.

RESIDUES OF GARDONA IN THE BODY TISSUES OF CATTLE SPRAYED TO CONTROL HYPODERMA SPP.

M C Ivey R A Hoffman H V Claborn J Econ Entomol 61(6):1647-1648

16 Dec 1968 421 J822

Adipose tissue (animals), Cattle, Chemical control (pests), Chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate, 2-, Hypoderma, Insecticide residues, Organophosphorus compounds.

INSECTICIDE USE IN LIVESTOCK PRODUC-TION. (ABSTRACTED FROM RESIDUE REVIEWS 13:1-32, 1966).

E F Knipling W E Westlake Pesticide Progr 5(5):163-164 Sep 1967 79.8 P434

Chlorinated hydrocarbons, Feed, Insecticide residues. Livestock

BIBLIOGRAPHY

Abstract

23397-68

INSECTICIDE RESIDUES IN PRONGHORN AN-TELOPE OF SOUTH DAKOTA.

G L Moore Y A Greichus E J Hugghins Bull Environ Contain Toxicol 3(5,SEP-OCT):269-

1968 RA1270.P35A1

Antelopes, Insecticides, Pesticide residues, Toxicology.

23398-68

THE DEGRADATION OF 2,4-D IN FOREST LITTER.

L A Norris D Greiner

Bull Environ Contam Toxicol 2(2,MAR-APR):65-

1967 RA1270.P35A1

Biochemistry, D, 2,4-, Decomposition, Forest litter, Herbicides, Pesticide residues, Trees.

LABORATORY STUDIES ON THE ACUTE CONTACT AND ORAL TOXICITIES OF INSECTICIDES TO HONEYBEES.

J H Stevenson

Ann Appl Biol 61(3):467-472 REF

Jun 1968 442.8 AN72

Apis mellifera, Insecticides, Laboratories, Research, Toxicology.

23400-68

MERCURY RESIDUES IN APPLES IN RELATION TO SPRAY DATE, VARIETY AND CHEMICAL COMPOSITION OF FUNGICIDE.

DKR Stewart RG Ross Can J Plant Sci 47(2):169-174 REF

Mar 1967 450 C16

Apples, Food contamination, Fungicides, Mercury compounds, Pesticide residues, Phenylmercuric acetate.

23401-68

NACA INDUSTRY TASK FORCE ON PHENOXY HERBICIDE TOLERANCES. NOTICE OF FILING OF PETITION REGARDING PESTICIDES. Fed Regist 33(11):599

17 Jan 1968 L1.451

Herbicide residues, Phenoxyacetic acid, Silvex, Tolerances, 2-(2,4,5-trichlorophenoxy) propionic

TOXICOLOGY

2.3402-68

CARBAMATE INSECTICIDES. WHERE ARE THEY HEADED.

Farm Chem 130(11):45,48,49,5 ,54,56,58 REF Nov 1967 57.8 AM3

Carbamates, Furaden, Molluscacides, Nematocides, Temik, Toxicity.

EFFECTS OF FEEDING CATTLE FORAGE TREATED WITH MOBAM.

M C Bowman R S Lowrey D B Leuck M Beroza J Econ Entomol 61(6):1495-1499 REF

16 Dec 1968 421 J822

Animal physiology, Benzo(b)thien-4-yl methylcar-bamate, Biochemistry, Cattle, Forage plants, Insecticide residues, Milk.

23404-68

TRACE METAL ALTERATIONS FOLLOWING SUB-ACUTE EXPOSURE TO ENDRIN.

R L Coleman C H Lawrence W L Sowell Bull Environ Contain Toxicol 3(5,SEP-OCT):284-

1968 RA1270.P35A1

Biochemistry, Endrin, Insecticides, Metals, Micronutrients, Rats, Toxicology.

23405-68

MUSHROOM POISONING. (FR)

J P Menu J Faure

135P REF PARIS, FRANCE, MASSON eT CIE. 1967 RC143.M4

Classification, Muscarine, Mushrooms, Poisonous fungi, Resins, Toxicology.

EVALUATION OF ORGANIC PESTICIDES FOR POSSIBLE USE AS FISH TOXICANTS. M S Mulla J Saint Amant L D Anderson

Progr Fish-cult 29(1):36-42

Jan 1967 157.5 P94

Fish poisons, Organic compounds, Pesticides, Toxicology.

23407-68

HISTOLOGICAL STUDIES OF OVARIES IN RATS TREATED WITH HYDROXYUREA TRIPHENYLTIN ACETATE, AND TRIPHENYL-TIN CHLORIDE.

D W Newton R L Hays

J Econ Entomol 61(6):1668-1669

16 Dec 1968 421 J822

Animal histology, Chemosterilants, Hydroxyurea, Ovaries, Rats, Triphenyltin acetate, Triphenyltin chloride.

23408-68

TOXIC EFFECT OF SOME MOLLUSCACIDE MIXTURES. (POR)

E Paulini T Camey C P de Souza

Rev Brasil Malar Doencas Trop 18(2):253-259 Apr 1966 448.8 R3283

Assay, Dichloro-4'-nitrosalicylanilide, aminoethanol salt, 2',5', Eggs, Molluscacides, Paraquat, Pesticide mixtures, Potentiometry, Snails, Tributyltin acetate. English and Portuguese summaries

Abstract

23409-68

TOXICITY OF PSYCHOTROPIC DRUGS IN DROSOPHILA MELANOGASTER.

G R Pscheidt G F Duick W R Duckles B W Geer Experientia 24(9):925

15 Sep 1968 475 EX7

Development, Drosophila melanogaster, Drugs, Insect behavior, Sex, Toxicology.

23410-68

TOXICOLOGICAL-CHEMICAL METHOD OF DETECTING WARFARIN IN MATERIAL OF ANIMAL ORIGIN AND IN ANIMAL FEEDS. (GE)

R Schlegelmilch G Hornawsky Arch Exp Veterinarined 22(1):215-217

Mar 1968 41.8 EX7

Animals, Chemistry, Chromatography, Feed toxicity, Methodology, Toxicology, Ultraviolet rays, Warfarin. English, Russian summary

23411-68

Toxicology.

DDVP AS A SELECTIVE TOXICANT FOR THE CONTROL OF FISHES AND INSECTS.

U S Srivastava S K Konar Progr Fish-cult 28(4):235-238

Oct 1966 157.5 P94 Chemical control (pests), Dichlorvos, Fish, Insects,

PLANT PHYSIOLOGY & BIOCHEMISTRY

23412-68

METABOLISM OF UC-21149 (2-METHYL-2-(METHYLTHIO)PROPIONALDEHYDE O-(METHYLCARBAMOYL)OXIME) IN COTTON PLANTS AND SOIL IN THE FIELD.

D L Bull J Econ Entomol 61(6):1598-1602 12 Dec 1968 421 J822

23413-68

Cotton, Insecticide residues, Methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxi p, Plant translocation, Radioactive tracers, Research, Soil contamination, Sulfur isotopes, Water pollution.

23413-68

CHLOROPHYLL AND TOTAL NITROGEN IN BARLEY RUST INFECTION.

F D Calonge

Brit Mycol Soc Trans 50(PT 3):397-401 REF Sep 1967 451 B76

Barley, Chlorophylls, Fungus diseases (plants), Nitrogen, Plant biochemistry, Puccinia hordei, Rust (grain).

23414-68

EFFECT OF TEMPERATURE ON THE GROWTH OF WHEAT. I. MARQUILLO KENYA FARMER, AND TWO DWARF PROGENY.

D T Canvin Y Yao Can J Bot 45(6):757-772

Jun 1967 470 C16C

Plant physiology, Temperature, Wheat.

23415-68

SOME PROPERTIES OF HYPHAE ISOLATED FROM BEAN LEAVES INFECTED WITH THE BEAN RUST FUNGUS.

H M Dekhuijzen H Singh R C Staples Boyce Thompson Inst Contrib 23(11, JUL-SEP):367-372 REF

Sep 1967 451 B69

Autoradiography, Beans, Fungus diseases (plants), Plant physiology, Rust (beans), Uromyces phaseoli.

23416-68

THE INHIBITION OF BRUSSELS SPROUT LEAF SENESCENCE BY KININS.

D T Dennis M Stubbs T P Coultate Can J Bot 45(7):1019-1024 REF Jul 1967 470 C16C

Brussels sprouts, Hormones, Kinins, Plant physiolo-

23417-68

THE MICROBIOLOGICAL CONDITION OF WOOD OF LIVING BALSAM FIR AND BLACK SPRUCE IN QUEBEC.

D E Etheridge L A Morin Can J Bot 45(7):1003-1010 Jul 1967 470 C16C

Abies balsamea, Microbiology, Picea mariana, Wood.

23418-68

A SURVEY OF THE WILD SPECIES OF DROSOPHILIDAE WITHIN MULTIPLE ROLE OF FUNGAL CENTRIOLES. (ABSTRACT) MONONGALIA COUNTY, WEST VIRGINIA.

W T Grimes J R Aist J C Martin C L Wilson W Va Acad Sci Proc 39:272-278 REF Aug 1967 500 W52

Cell division, Cell nucleus, Ceratocystis fagacearum, Drosophila, Fomes annosus, Fungi, Fungus diseases (plants), Humidity, Insect ecology, Insect taxonomy, Precipitation, Temperature.

Abstract: The species collected were: D. affinis, D. busckii, D. hydei, D. immigrans, D. melanogaster, D. putrida, D. transversa, D. robusta, D. tripunctata, and D. guttifera. Other genera collected in the largest numbers, followed by D. robusta and D. affinis

23419-68

CHEMICAL GROWTH CONTROL OF CHINESE ELM TREES.

W D Hamilton W B Davis

Calif Agr 21(2):4-5

Feb 1967 100 C12CAG

Biochemistry, Chemicals, Plant physiology, Plant regulators, Ulmus.

23420-68

ULTRASTRUCTURAL CHANGES DURING ZOOSPORE FORMATION IN PHYTOPHTHORA PARASITICA.

H R Hohl S T Hamamoto

Amer J Bot 54(9):1131-1139 REF

Oct 1967 450 AM36

Microscopy, Phytophthora parasitica, Plant physiology, Spores.

23421-68

SOME CHEMICAL ASPECTS OF CURING.

R W James

Aust Tob Growers Bull (11):9-10

1967 69.8 AU72

Chemicals, Curing, Plant biochemistry, Tobacco.

23422-68

SPECIES INTERACTIONS OF GROWTH IN-HIBITORS IN NATIVE PLANTS OF NORTHERN ARIZONA.

D A Jameson

U S Forest Serv Res Notes RM 113:1-2

1968 A99.9 F7632US

Extracts, Laboratories, Plant growth inhibitors, Seedlings.

23423-68

ACTION OF GRAMICIDIN S ON PHOTOPHOSPHORYLATION IN VIRUSIN-FECTED TOBACCO PLANTS.

M E Ladygina M I Tukeeva B A Rubin Biokhimiya 32(6,PT 2,NOV-DEC):1028-1031 BFF

Dec 1967 385 B523

Gramicidin S, Histochemistry, Peptides, Phosphorylation, Tobacco, Virus diseases (plants). Russian journal-vol. 32(6):1248-1252, Nov-Dec, 1967

23424-68

STUDIES ON PLANT GROWTH-REGULATING SUBSTANCES. XXVII. THE GROWTH-REGULATING ACTIVITY AND METABOLISM OF 2,4-DICHLOROPHENOXYETHYLAMINE AND RELATED COMPOUNDS IN HIGHER PLANTS.

R J Nash T A Smith R L Wain Ann Appl Biol 61(3):481-494 REF

Jun 1968 442.8 AN72

Biochemistry, D, 2,4-, Metabolism, Plant physiology, Plant regulators, Research.

23425-68

GENETIC ASPECTS OF PARASITISM.

C Person

Can J Bot 45(8):1193-1204 REF

Aug 1967 470 C16C

Biochemistry, Botany, Genes, Genetics, Parasitism.

3426-68

THE EFFECT OF SOME GROWTH REGULATORS ON STARCH DEPLETION IN APPLE SHOOTS.

J Pieniazek M Saniewski

Polska Akad Nauk Bull Ser Sci Biol 16(1):39-46 REF

1968 512 W262

Apples, Benzylamino)purine, 6-(, Biochemistry, Gibberellic acid, Naphthaleneacetic acid, Plant hormones, Plant physiology, Plant regulators, Starches.

23427-68

BETA-GLUCOSIDASE CONTENT OF PEAR BLOSSOM TISSUES AND ITS RELATION TO ANTIBIOTIC ACTIVITY OF THE TISSUES AGAINST ERWINIA AMYLOVORA. (ABSTRACT).

C C Powell D C Hildebrand Phytopathology 57(8):826

Aug 1967 464.8 P56

Antibiosis, Erwinia amylovora, Fungus diseases (plants), Glucosidases, Pears, Plant biochemistry.

23428-68

SYSTEMIC ACTIVITY OF 2-METHYL-2(METHYLTHIO)PROPIONALDEHYDE O(METHYL-CARBAMOYL)OXIME (UC-21149)
IN THE COTTON PLANT WITH SPECIAL
REFERENCE TO THE BOLL WEEVIL.
R I Ridway S L Jones L Connedge D A

R L Ridgway S L Jones J R Coppedge D A Lindquist

J Econ Entomol 61(6):1705-1712 REF 16 Dec 1968 421 J822 Anthonomus grandis, Biological assay, Chemical control (insects), Cotton, Disulfoton, Insecticide application, Methyl-2-(methylthio)propional-dehyde O-(methylcarbamoyl)oxi p, Plant translocation, Radioactive tracers, Sulfur isotopes.

23429-68

METABOLISM OF AROMATIC COMPOUNDS IN HEALTHY AND RUST-INFECTED PRIMARY LEAVES OF WHEAT. I. STUDIES WITH 14CO2, QUINATE-U-14C, AND SHIKIMATE-U-14C AS PRECURSORS.

R Rohringer A Fuchs J Luderstaedt D J Samborski

Can J Bot 45(6):863-889 REF

Jun 1967 470 C16C

Biochemistry, Carbon dioxide, Isotopes, Metabolism, Plant physiology, Rust (wheat), Wheat.

23430-6

EFFECTS OF HERBICIDES ON CARBON DIOXIDE UPTAKE BY PINE SEEDLINGS.

S Sasaki T T Kozlowski

Can J Bot 45(7):961-971 REF

Jul 1967 470 C16C

Absorption, Biochemistry, Carbon dioxide, Herbicides, Pinus, Plant physiology, Seedlings.

23431-68

NITROGEN NUTRITION OF SOME NE-MATODE-TRAPPING FUNGI.

V Satchuthananthavale R C Cooke Brit Mycol Soc Trans 50(PT 3):423-428

Sep 1967 451 B76 Biochemistry, Moniliales, Nematodes, Nitrogen, Plant nematodes, Plant nutrition.

3432-68

ANASTOMOSIS IN RELATION TO MORPHOLOGY AND PHYSIOLOGY OF RHIZOCTONIA SOLANI. (ABSTRACT).

R T Sherwood

Phytopathology 57(8):830

Aug 1967 464.8 P56

Anastomosis, Fungus diseases (plants), Plant morphology, Plant physiology, Rhizoctonia solani.

23433-68

THE SEQUENCE OF RELEASE OF AMINO ACIDS FROM GERMINATING CROWN RUST SPORES. (ABSTRACT).

J P Snow J P Jones

Phytopathology 57(8):832

Aug 1967 464.8 P56

Amino acids, Crown rust, Fungus diseases (plants), Plant abnormalities, Plant physiology, Puccinia coronata, Spore germination.

23434-68

GERMINATION OF SPORES OF PHY-MATOTRICHUM OMNIVORUM. (ABSTRACT). R H Taft H E Bloss G A Gries

Phytopathology 57(8):833

Aug 1967 464.8 P56

Fungus diseases (plants), Phymatotrichum omnivorum, Spore germination.

23435-68

THE CHLOROSIS TOXIN FROM ALTERNARIA TENUIS IS A CYCLICTETRAPEPTIDE. (ABSTRACT).

G E Templeton W L Meyer C I Grable C W Sigel Phytopathology 57(8):833

Aug 1967 464.8 P56

Alternaria tenuis, Chlorosis, Cyclic compounds, Peptides, Tentoxin, Toxins. This toxin is cycloleucyl-N-methylalanyl-glycyl-Nmethyldehydrophenylalanyl and is given the trivial name tentoxin.

23436-68

SOME EFFECTS OF CARBARYL ON TWO APPLE CULTIVARS.

J E Teskey S D Kung

Can J Plant Sci 47(3):311-318 REF May 1967 450 C16 Apples, Carbaryl, Food storage, Plant physiology,

Thinning (fruit).

CHEMISTRY

23437-68

PREPARATION OF INACTIVATED VACCINE AGAINST NEWCASTLE DISEASE. I. INAC-TIVATION OF NEWCASTLE DISEASE VIRUS BY BETA-PROPIOLACTON AND FORMALIN. (CZ)

K Cernik J Zuffova

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 12(5):255-262 REF

May 1967 41.9 C333

Biochemistry, Formaldehyde, Hydracrylic acid beta-lactone, Newcastle disease virus, Vaccines. English and Russian abstracts

SYNTHESIS OF A SPECIFIC MESSENGER RNA DURING AMINO ACID STARVATION OF ESCHERICHIA COLI.

G Edlin G S Stent R F Baker C Yanofsky J Molec Biol 37(2):257-268 REF 28 Oct 1968 442.8 J8224

Amino acids, Bacteria, Biochemistry, Escherichia coli, Proteins, Ribonucleic acid.

REGULATION OF MESSENGER RNA SYNTHE-SIS IN ESCHERICHIA COLI.

J Forchhammer N O Kjeldcaard J Molec Biol 37(2):245-255 REF 28 Oct 1968 442.8 J8224

Bacteria, Biochemistry, Culture media, Escherichia coli, Physiology, Proteins, Ribonucleic acid.

23440-68

PERSISTENCE OF DIAZINON AND ZINOPHOS IN SOIL: EFFECTS OF AUTOCLAVING, TEM-PERATURE, MOISTURE, AND ACIDITY.

L W Getzin

J Econ Entomol 61(6):1560-1565 REF 12 Dec 1968 421 J822

Autoclaves, Diazinon, Dichlorophenyl O-methyl isopropylphosphoramidothioate, O-2 h, Hydrogenion concentration, Insecticide residues, Research, Soil contamination, Temperature.

23441-68

LEVEL OF TRYPTOPHAN MESSENGER RNA IN ESCHERICHIA COLI. STUBBS, J D.

B D Hall

J Molec Biol 37(2):289-302 REF 28 Oct 1968 442.8 J8224

Amino acids, Bacteria, Biochemistry, Escherichia coli, Ribonucleic acid, Tryptophan.

23442-68

THIN LAYER CHROMATOGRAPHIC SEPARATION OF LINURON AND DIURON AND SOME OF THEIR KNOWN OR SUSPECTED SOIL METABOLITES.

S E Katz M T Nieh

Bull Environ Contam Toxicol 2(2,MAR-APR):75-

1967 RA1270.P35A1

Chemistry, Chromatography, Diuron, Herbicides, Linuron, Metabolites, Soils.

23443-68

2,3-DIHYDRO-5-CARBOXAMIDO-6-METHYL-1,4-OXATHIINS AND METHOD OF MAKING SAME, PATENT 3, 393,202.

M Kulka D S Thiara W A Harrison Us Patent Office Offic Gaz 852(3):726-727 16 Jul 1968 156.65 OF2

Bactericides, Dihydro-5-carboxamido-6-methyl-1,4-oxathiin, 2,3-, Fungicides, Oxathiins, 1,4-,

23444-68

MESSENGER RNA SYNTHESIS DURING AMINO ACID STARVATION IN ESCHERICHIA COLI.

R Lavalle G De Hauwer J Molec Biol 37(2):269-288 REF 28 Oct 1968 442.8 J8224

Amino acids, Bacteria, Biochemistry, Escherichia coli, Proteins, Ribonucleic acid.

ENGINEERING

23445-68

METHYL PARATHION RESISTANCE IN A LABORATORY STRAIN OF THE BOLLWORM.

F L Carter J R Phillips

J Econ Entomol 61(6):1716-1718 16 Dec 1968 421 J822

Heliothis zea, Insect cultures, Insecticide resistant insects, Methyl parathion, Organophosphorus compounds.

INDUSTRY

23446-68

FACTORS THAT INFLUENCE UTILIZATION OF PESTICIDES BY SELECTED VEGETABLE PRODUCERS IN TENNESSEE.

T K Hunter

Diss Abstr Sect A 29(7):2010B

Jan 1969 Z5055.U49D5

Costs, Education, Farmers, Pesticides, Statistical analysis, Vegetables.

Various factors, as number of acres in vegetables, hours of hired labor, degree of use of chemical company representatives, distance to source of pesticides, and years of education influenced use.

ECONOMICS

23447-68

NATURAL AND MAN-MADE FACTORS LIMIT OUTPUT OF NEW ZEALAND HONEY.

J W Fraser

New Zeal J Agr 115(3):57,59,61,63

Sep 1967 23 N48J

Apiculture, Clover, Flowers, Honey, Production economics.

The lack of progress in the honey industry is attributed to the elimination of many floral sources and the use of clovers which produce no nector.

REGULATIONS

23448-68 PESTICIDE REGULATIONS AFFECTING CROP PRODUCTION.

W J Colberg

Northwest Crop Produc Conf Rep 1967 MEETING:1-2

1967 464.9 N813

Agricultural regulation, Crop yields, Field crops, Pesticides.

23449-68

BEES AND THE LAW.

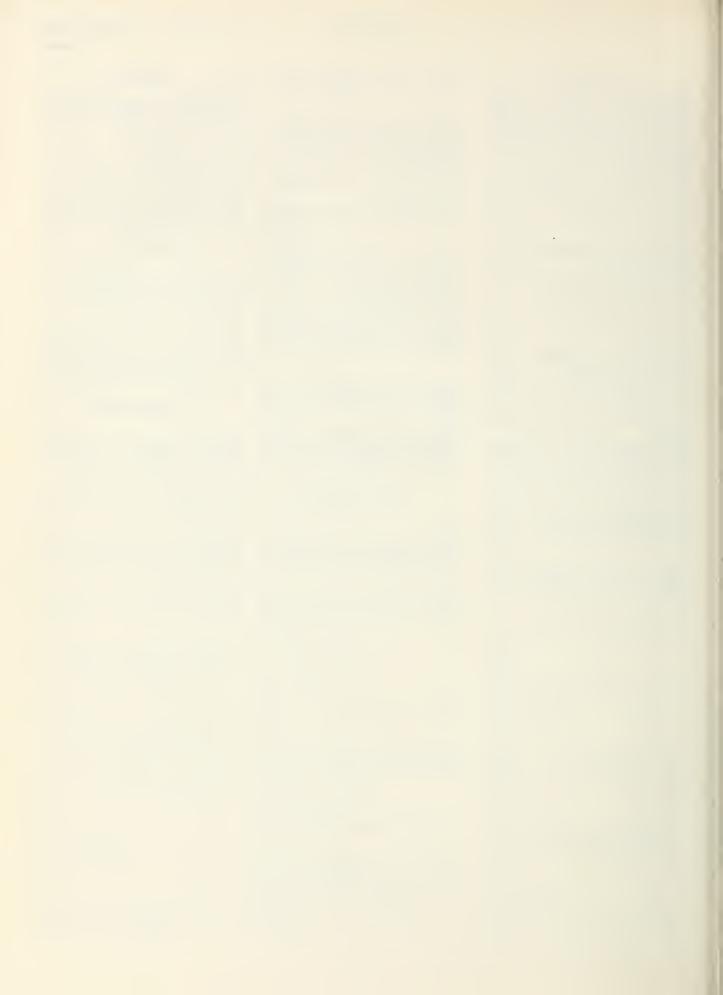
R A Winn

S Australia J Agr 70(6):186-187

Jan 1967 23 SO84

Apiculture, Legislation.

The legal aspects of apiculture in Australia are discussed.



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ACLERIS

ARDOMEN

Additions and corrections to volume 8 of the work of P. P. Grasse (Morphology of the Arthropods). Part 16, no. 50. Coleoptera: Ab-	Acleris nigrilineana Kawabc, 1963, a resident of northern Europe (Lep. Tortr.).	Immunochemical studies of foot-and-mouth disease. Ill. Acridine orange staining of agar gel
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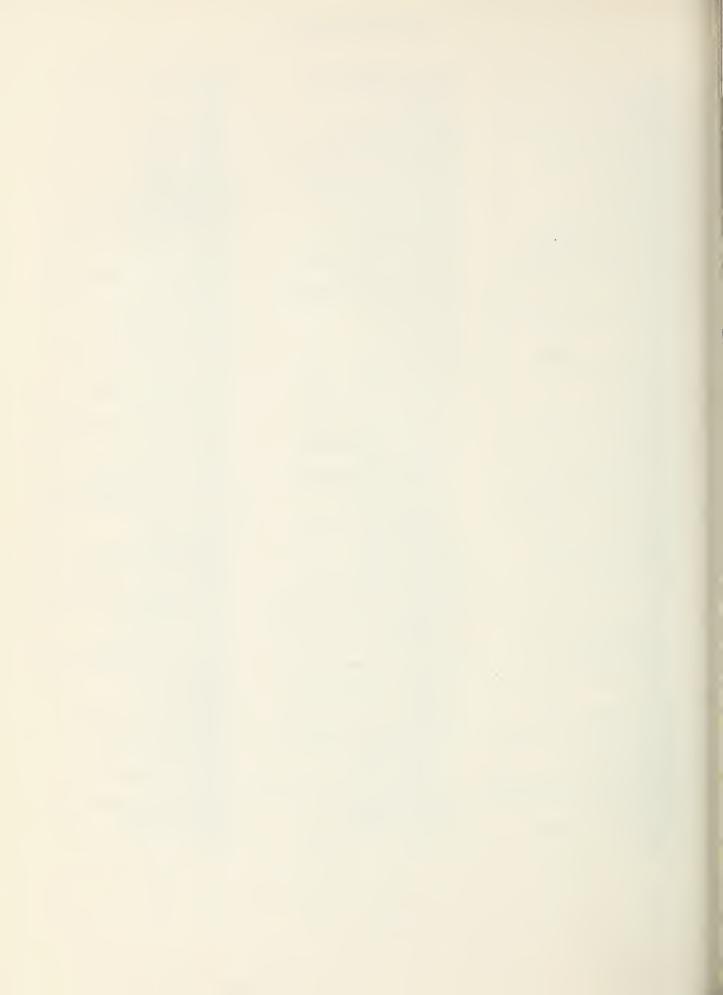
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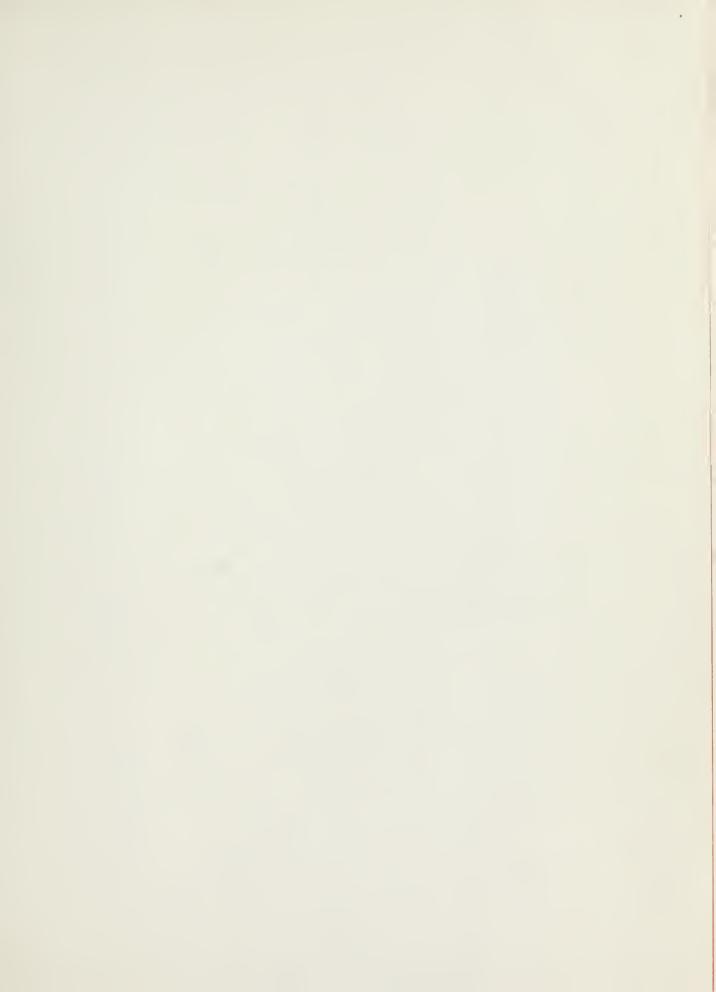
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